10000389

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 NEWS  1          Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2  Apr 08  "Ask CAS" for self-help around the clock
 NEWS  3  Apr 09  BEILSTEIN: Reload and Implementation of a New Subject Area
 NEWS  4  Apr 09  ZDB will be removed from STN
 NEWS  5  Apr 19  US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
 NEWS  6  Apr 22  Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
 NEWS  7  Apr 22  BIOSIS Gene Names now available in TOXCENTER
 NEWS  8  Apr 22  Federal Research in Progress (FEDRIP) now available
 NEWS  9  Jun 03  New e-mail delivery for search results now available
 NEWS 10  Jun 10  MEDLINE Reload
 NEWS 11  Jun 10  PCTFULL has been reloaded
 NEWS 12  Jul 02  FOREGE no longer contains STANDARDS file segment
 NEWS 13  Jul 22  USAN to be reloaded July 28, 2002;
                  saved answer sets no longer valid
 NEWS 14  Jul 29  Enhanced polymer searching in REGISTRY
 NEWS 15  Jul 30  NETFIRST to be removed from STN
 NEWS 16  Aug 08  CANCERLIT reload
 NEWS 17  Aug 08  PHARMAMarketLetter(PHARMAML) - new on STN
 NEWS 18  Aug 08  NTIS has been reloaded and enhanced
 NEWS 19  Aug 19  Aquatic Toxicity Information Retrieval (AQUIRE)
                  now available on STN
 NEWS 20  Aug 19  IFIPAT, IFICDB, and IFIUDB have been reloaded
 NEWS 21  Aug 19  The MEDLINE file segment of TOXCENTER has been reloaded
 NEWS 22  Aug 26  Sequence searching in REGISTRY enhanced
 NEWS 23  Sep 03  JAPIO has been reloaded and enhanced

 NEWS EXPRESS  February 1 CURRENT WINDOWS VERSION IS V6.0d,
               CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
               AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)
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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

10000389

FILE 'HOME' ENTERED AT 20:16:16 ON 05 SEP 2002

=> fil reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 20:16:25 ON 05 SEP 2002
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STRUCTURE FILE UPDATES: 4 SEP 2002 HIGHEST RN 446821-48-3
DICTIONARY FILE UPDATES: 4 SEP 2002 HIGHEST RN 446821-48-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

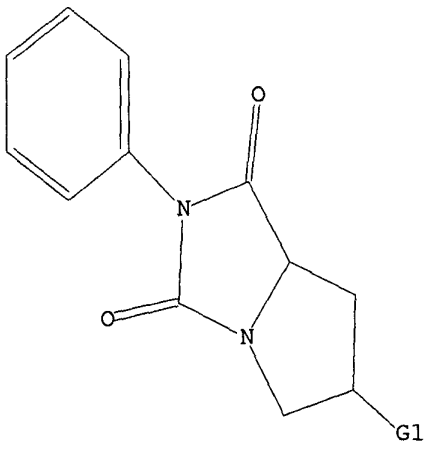
Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 10000389c.str

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



G1 O,S,N

10000389

Structure attributes must be viewed using STN Express query preparation.

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=> s l1 sss sam
SAMPLE SEARCH INITIATED 20:16:43 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     10 TO ITERATE

100.0% PROCESSED      10 ITERATIONS                                6 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           11 TO      389
PROJECTED ANSWERS:               6 TO      266

L2            6 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 20:16:47 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    217 TO ITERATE

100.0% PROCESSED     217 ITERATIONS                             147 ANSWERS
SEARCH TIME: 00.00.01

L3          147 SEA SSS FUL L1

=> fil caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                               140.28     140.49

FILE 'CAPLUS' ENTERED AT 20:16:53 ON 05 SEP 2002
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FILE COVERS 1907 - 5 Sep 2002  VOL 137 ISS 10
FILE LAST UPDATED: 4 Sep 2002  (20020904/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

CAS roles have been modified effective December 16, 2001. Please
check your SDI profiles to see if they need to be revised. For
information on CAS roles, enter HELP ROLES at an arrow prompt or use
the CAS Roles thesaurus (/RL field) in this file.

=> s l3 full
L4          11 L3
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=> d l4 1-11 ibib abs hitstr

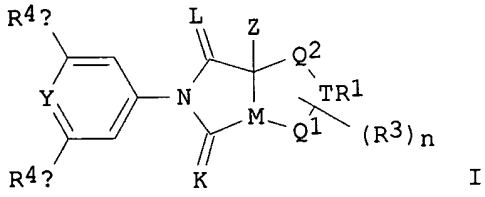
L4 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2002:428909 CAPLUS
DOCUMENT NUMBER: 137:6181
TITLE: Preparation of fused hydantoins as antiinflammatories.
INVENTOR(S): Iwanowicz, Edwin J.; Dhar, Murali T. G.; Launay, Michele; Potin, Dominique; Maillet, Magali Jeannine Blandine; Nicolai, Eric Antoine
PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA; Cerep SA
SOURCE: PCT Int. Appl., 72 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002044181	A1	20020606	WO 2001-US45540	20011130

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:
US 2000-250486P P 20001201
US 2000-250653P P 20001201
US 2001-727165P P 20010228

OTHER SOURCE(S): MARPAT 137:6181
GI



I

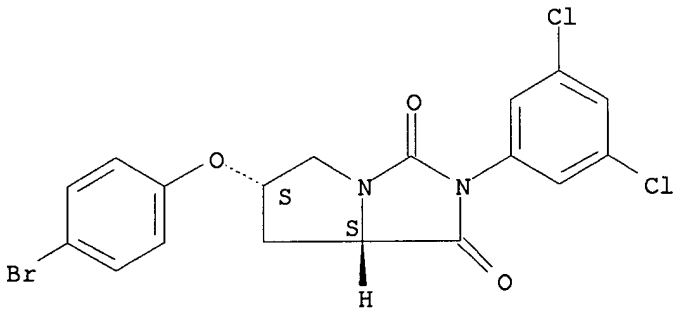
AB Title compds. [I; L, K = O, S; M = N, CH; Y = CH, N; Z = H, (substituted) alkyl; T = N, CH, CR3; R1 = QX; X = (hetero)aryl; Q = bond, O, NR10, S, CO, CO2, NR10CO, NR10CO2, (substituted) alkylene, alkenylene, bivalent alkoxy, alkylthio, alkylamino, aminoalkyl, alkylsulfonyl, alkylsulfonamide, acyl, alkoxycarbonyl; R1R3 = fused carbocyclyl, heterocyclyl; R3 = halo, (substituted) alkyl, alkenyl, alkynyl, NO2, cyano, OR8, NR8R9, CO2R8, COR8, CONR8R9, NR8COR9, NR8CO2R9, OC(O)R8, OC(O)NR8R9, SR8, SOqR8a, NR8SO2Rg, SO2NR5Rq, aryl, heteroaryl, heterocyclo, cycloalkyl, O; 2 adjacent R3 form a (substituted) carbocyclic or heterocyclic fused ring; R4a, R4b = H, halo, (substituted) alkyl, alkenyl, alkynyl, NO2, cyano, OH, alkoxy, alkoxy, PhO, PhCH2O, CO2H, CHO, amino, CO2A, COA, alkylthio; A = alkyl; R8, R9 = H, (substituted) alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, aryl, heteroaryl, heterocyclyl; R8R9

= atoms to form a heterocyclic ring; R8a = (substituted) alkyl, cycloalkyl, aryl, heteroaryl, heterocyclo; R10 = H, (substituted) alkyl; Q1 = (CH2)s; Q2 = (CH2)r; n, s = 0, 1, 2; q = 1, 2, 3; r = 1, 2; with provisos], were prepd. as inhibitors of leukointegrin/ICAM assocd. conditions (no data). Thus, a mixt. of (7aS,6R)-2-(3,5-dichlorophenyl)-6-hydroxytetrahydropyrrolo[1,2-c]imidazole-1,3-dione (prepn. given), Ph3P, and 4-bromophenol in THF at 0.degree. was treated with diisopropyl azodicarboxylate (DIAD) in THF followed by warming to room temp. overnight to give (7aS,6S)-2-(3,5-dichlorophenyl)-6-(4-bromophenoxy)tetrahydropyrrolo[1,2-c]imidazole-1,3-dione.

IT **433289-16-8P**, (7AS,6S)-2-(3,5-dichlorophenyl)-6-(4-bromophenoxy)tetrahydropyrrolo[1,2-c]imidazole-1,3-dione
433289-20-4P 433289-21-5P 433289-22-6P
433289-25-9P, (7AS,6S)-2-(3,5-dichlorophenyl)-6-(4-bromobenzoyloxy)tetrahydropyrrolo[1,2-c]imidazole-1,3-dione
433289-27-1P, (6S,7AS)-6-(4-bromobenzyloxy)-2-(3,5-dichlorophenyl)tetrahydropyrrolo[1,2-c]imidazole-1,3-dione
433289-28-2P 433289-29-3P 433289-30-6P
433289-31-7P 433289-32-8P 433289-33-9P
433289-34-0P 433289-38-4P 433289-39-5P
433289-40-8P 433289-41-9P 433289-42-0P
433289-43-1P 433289-44-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of fused hydantoins as antiinflammatories)

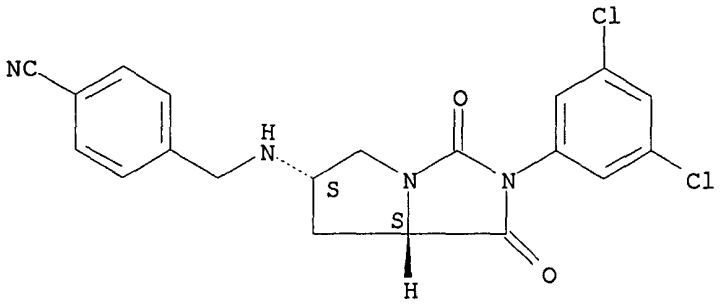
RN 433289-16-8 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-(4-bromophenoxy)-2-(3,5-dichlorophenyl)tetrahydro-, (6S,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



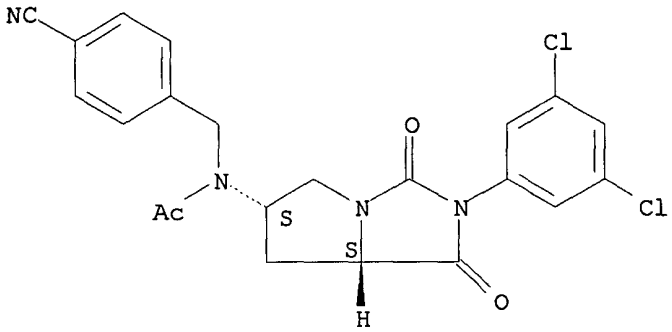
RN 433289-20-4 CAPLUS
CN Benzonitrile, 4-[[[(6S,7aS)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



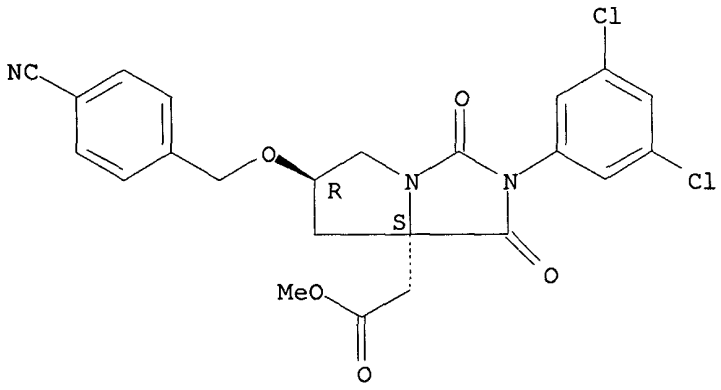
RN 433289-21-5 CAPLUS
CN Acetamide, N-[(4-cyanophenyl)methyl]-N-[(6S,7aS)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



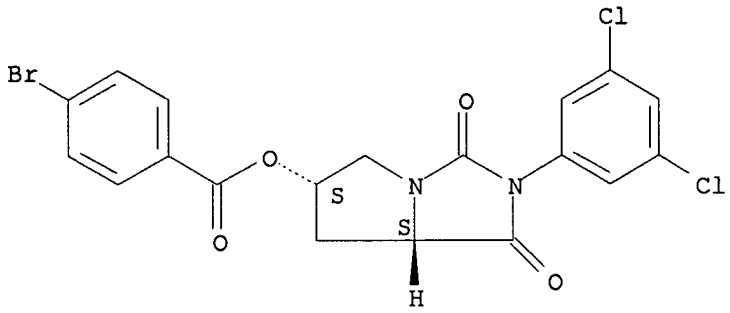
RN 433289-22-6 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-7a(5H)-acetic acid, 6-[(4-cyanophenyl)methoxy]-2-(3,5-dichlorophenyl)tetrahydro-1,3-dioxo-, methyl ester, (6R,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



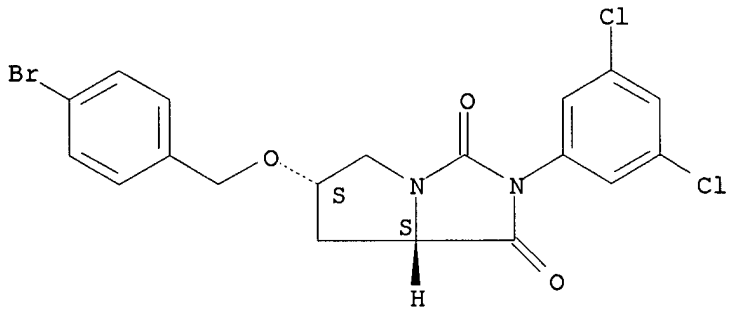
RN 433289-25-9 CAPLUS
CN Benzoic acid, 4-bromo-, (6S,7aS)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



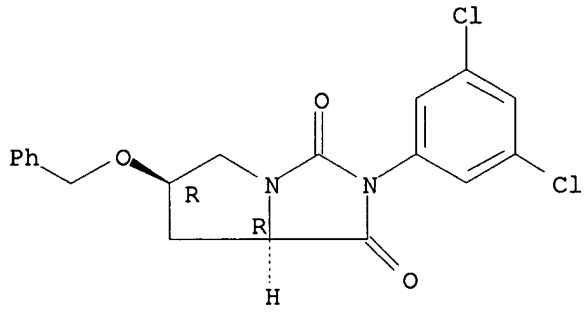
RN 433289-27-1 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-[(4-bromophenyl)methoxy]-2-(3,5-dichlorophenyl)tetrahydro-, (6S,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



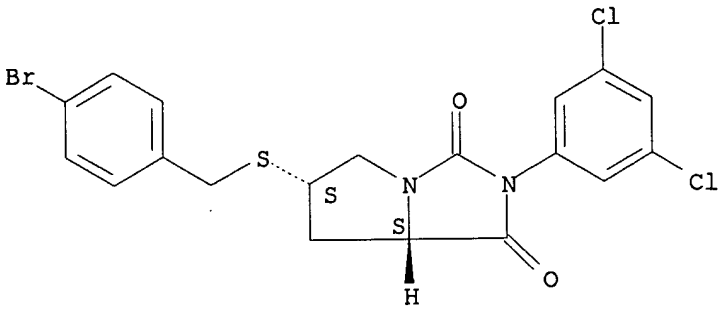
RN 433289-28-2 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-(3,5-dichlorophenyl)tetrahydro-6-(phenylmethoxy)-, (6R,7aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



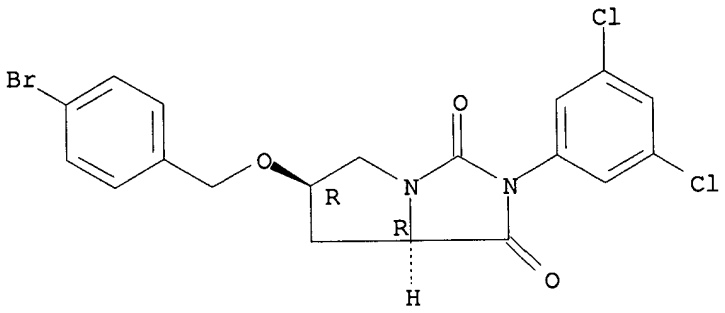
RN 433289-29-3 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-[[(4-bromophenyl)methyl]thio]-2-(3,5-dichlorophenyl)tetrahydro-, (6S,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



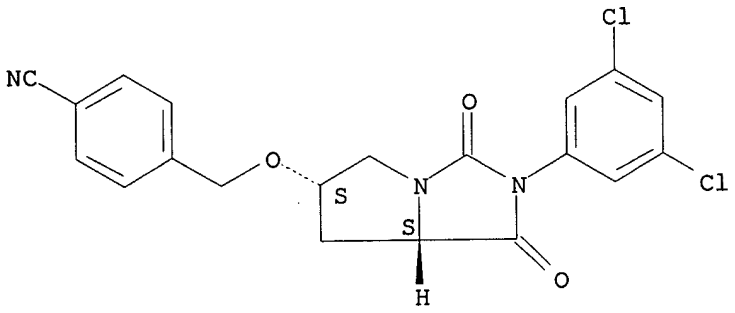
RN 433289-30-6 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-[(4-bromophenyl)methoxy]-2-(3,5-dichlorophenyl)tetrahydro-, (6R,7aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



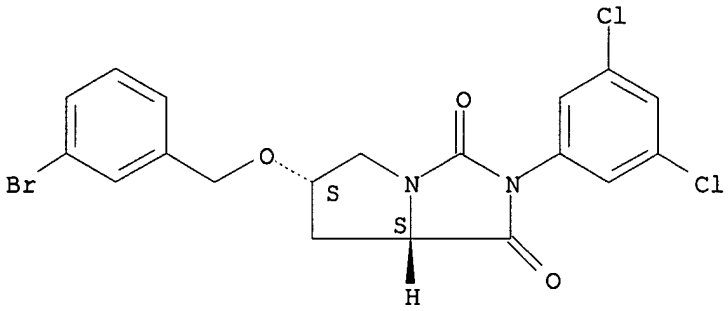
RN 433289-31-7 CAPLUS
CN Benzonitrile, 4-[[[(6S,7aS)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]oxy]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



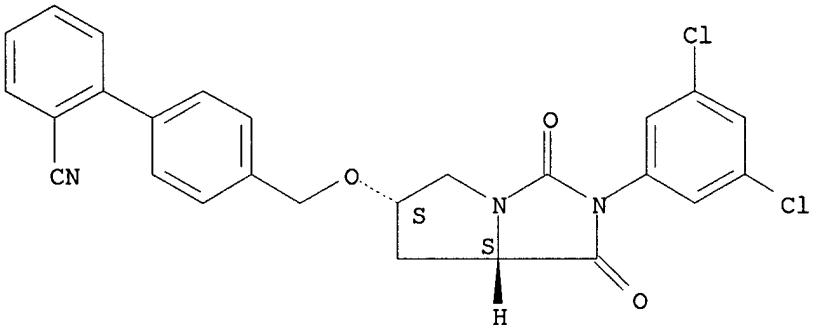
RN 433289-32-8 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-[(3-bromophenyl)methoxy]-2-(3,5-dichlorophenyl)tetrahydro-, (6S,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



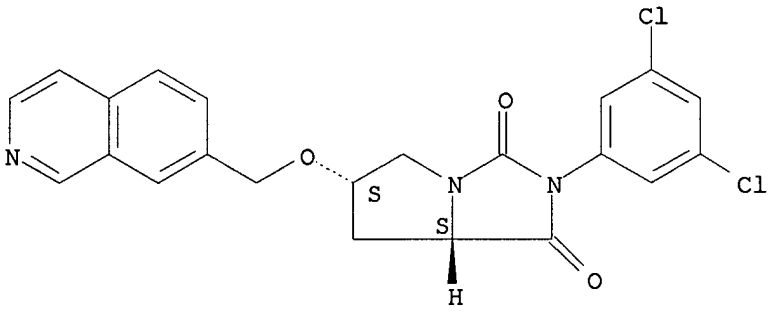
RN 433289-33-9 CAPLUS
CN [1,1'-Biphenyl]-2-carbonitrile, 4'-[[[(6S,7aS)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]oxy]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



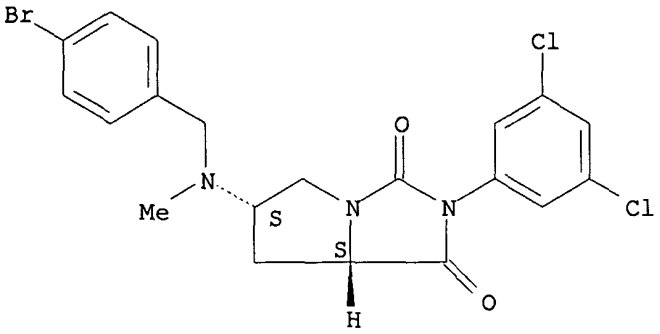
RN 433289-34-0 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-(3,5-dichlorophenyl)tetrahydro-6-(7-isoquinolinylmethoxy)-, (6S,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



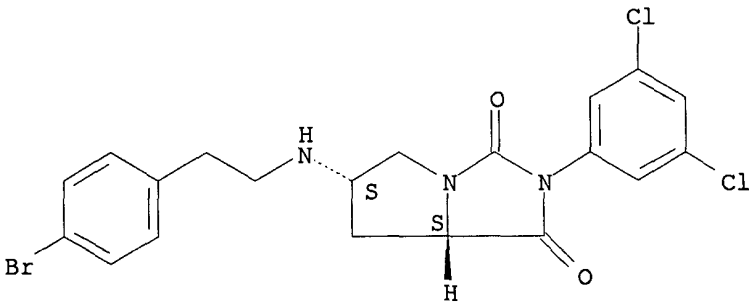
RN 433289-38-4 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-[[(4-bromophenyl)methyl]methylamino]-2-(3,5-dichlorophenyl)tetrahydro-, (6S,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



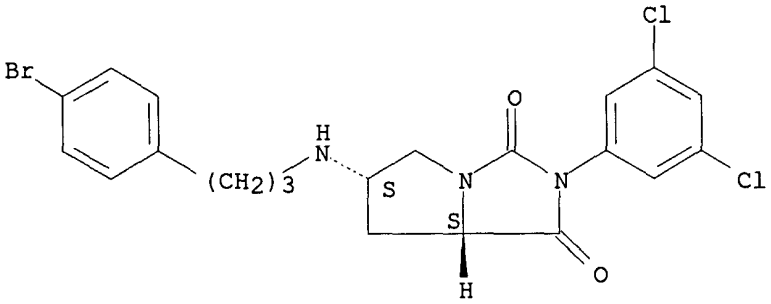
RN 433289-39-5 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-[[2-(4-bromophenyl)ethyl]amino]-2-(3,5-dichlorophenyl)tetrahydro-, (6S,7aS)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



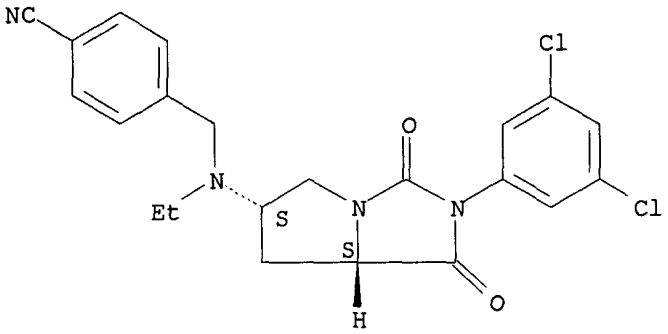
RN 433289-40-8 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-[[3-(4-bromophenyl)propyl]amino]-2-(3,5-dichlorophenyl)tetrahydro-, (6S,7aS)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



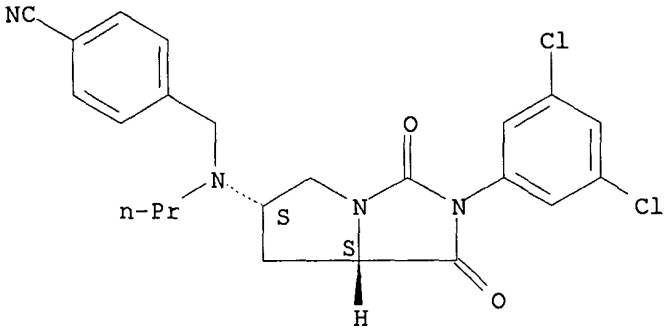
RN 433289-41-9 CAPLUS
CN Benzonitrile, 4-[[[(6S,7aS)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]ethylamino]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



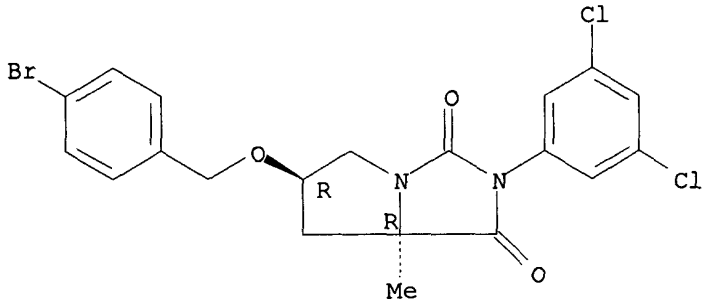
RN 433289-42-0 CAPLUS
CN Benzonitrile, 4-[[[(6S,7aS)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]propylamino]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



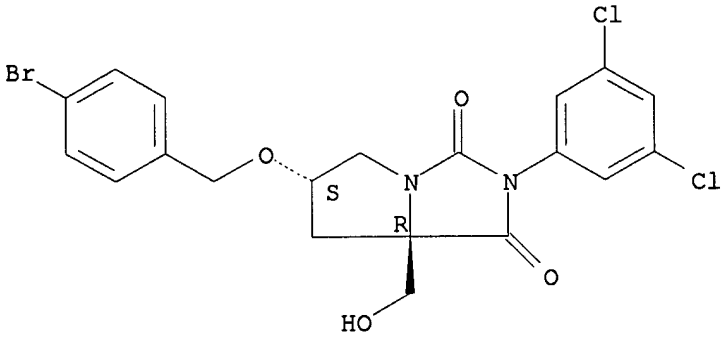
RN 433289-43-1 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-[(4-bromophenyl)methoxy]-2-(3,5-dichlorophenyl)tetrahydro-7a-methyl-, (6R,7aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 433289-44-2 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-[(4-bromophenyl)methoxy]-2-(3,5-dichlorophenyl)tetrahydro-7a-(hydroxymethyl)-, (6S,7aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2002:90045 CAPLUS
DOCUMENT NUMBER: 136:151436
TITLE: Preparation of combinatorial libraries of N-arylsulfonyl-N-diazadioxobicyclooctyl amino acid amides as drugs
INVENTOR(S): Lu, Shao-Po; Hebert, R. Normand
PATENT ASSIGNEE(S): Lion Bioscience A.-G., Germany
SOURCE: PCT Int. Appl., 128 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002008227	A2	20020131	WO 2001-EP8322	20010718

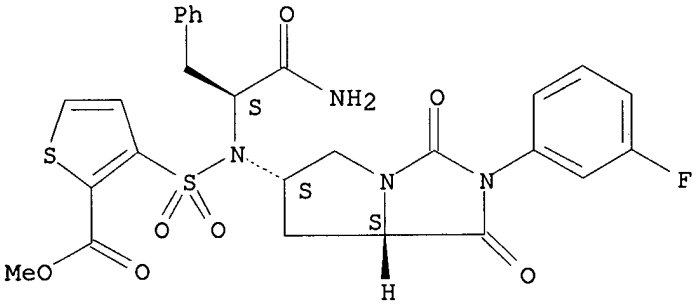
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2000-621177 A 20000721
OTHER SOURCE(S): MARPAT 136:151436
AB RZN(SO2R1)CHR2CONH2 [I; R = (un)substituted Ph or CH2Ph; R1 = 2-methoxycarbonyl-3-thienyl, substituted Ph, etc.; R2 = amino acid side chain; Z = 1,3-diaza-2,4-dioxobicyclo[3.3.0]octane-3,6-diyl] were prepd. Data for antibacterial activity of I were given.
IT **393876-35-2P 393876-37-4P 393876-38-5P**
393876-39-6P 393876-40-9P 393876-41-0P
393876-42-1P 393876-43-2P 393876-44-3P
393876-45-4P 393876-46-5P 393876-47-6P
393876-48-7P 393876-50-1P 393876-51-2P
393876-52-3P 393876-53-4P 393876-54-5P
393876-55-6P 393876-56-7P 393876-57-8P
393876-58-9P 393876-59-0P 393876-61-4P
393876-62-5P 393876-63-6P 393876-65-8P

393876-66-9P 393876-67-0P 393876-68-1P
393876-69-2P 393876-70-5P 393876-71-6P
393876-72-7P 393876-73-8P 393876-74-9P
393876-75-0P 393876-76-1P 393876-77-2P
393876-79-4P 393876-80-7P 393876-81-8P
393876-82-9P 393876-83-0P 393876-84-1P
393876-85-2P 393876-86-3P 393876-87-4P
393876-88-5P 393876-89-6P 393876-90-9P
393876-91-0P 393876-92-1P 393876-93-2P
393876-94-3P 393876-95-4P 393876-96-5P
393876-97-6P 393876-99-8P 393877-00-4P
RL: CPN (Combinatorial preparation); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); USES (Uses)
(prepn. of combinatorial libraries of N-arylsulfonyl-N-diazadioxobicyclooctyl amino acid amides as drugs)

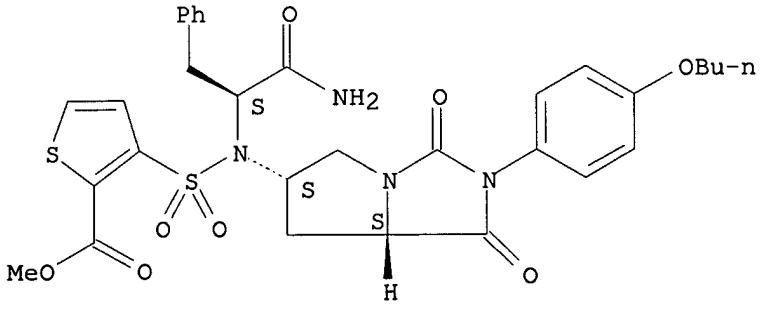
RN 393876-35-2 CAPLUS
CN 2-Thiophenecarboxylic acid, 3-[[[(1S)-2-amino-2-oxo-1-(phenylmethyl)ethyl][(6S,7aS)-2-(3-fluorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 393876-37-4 CAPLUS
CN 2-Thiophenecarboxylic acid, 3-[[[(1S)-2-amino-2-oxo-1-(phenylmethyl)ethyl][(6S,7aS)-2-(4-butoxyphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

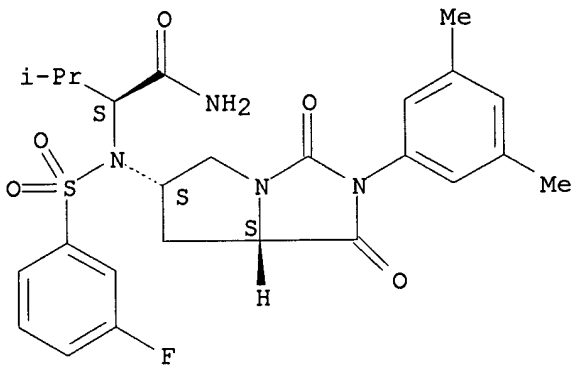
Absolute stereochemistry.



RN 393876-38-5 CAPLUS
CN Butanamide, 2-[[(6S,7aS)-2-(3,5-dimethylphenyl)hexahydro-1,3-dioxo-1H-

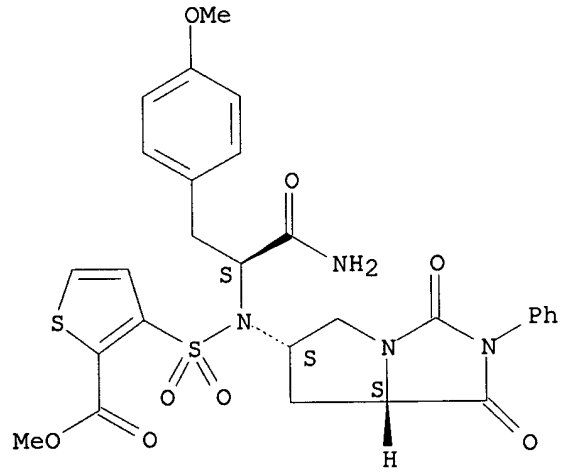
pyrrolo[1,2-c]imidazol-6-yl][(3-fluorophenyl)sulfonyl]amino]-3-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



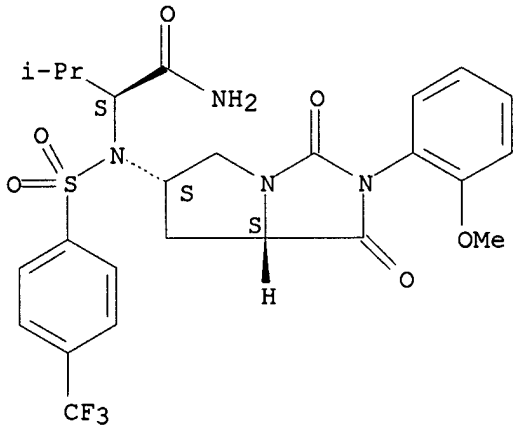
RN 393876-39-6 CAPLUS
CN 2-Thiophenecarboxylic acid, 3-[[[(1S)-2-amino-1-[(4-methoxyphenyl)methyl]-2-oxoethyl][(6S,7aS)-hexahydro-1,3-dioxo-2-phenyl-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



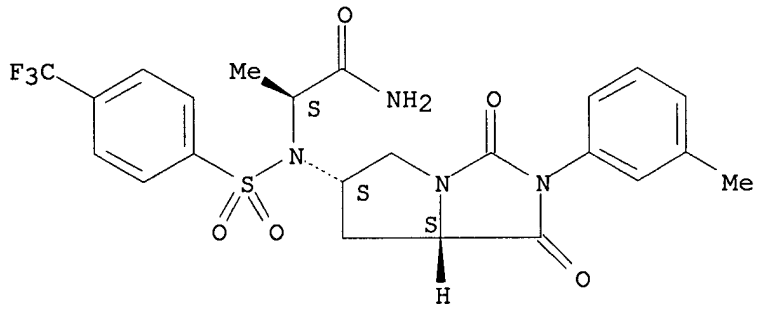
RN 393876-40-9 CAPLUS
CN Butanamide, 2-[[(6S,7aS)-hexahydro-2-(2-methoxyphenyl)-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][[4-(trifluoromethyl)phenyl]sulfonyl]amino]-3-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



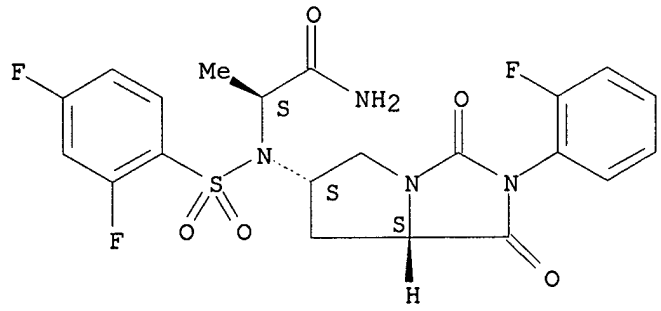
RN 393876-41-0 CAPLUS
CN Propanamide, 2-[[(6S,7aS)-hexahydro-2-(3-methylphenyl)-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][[4-(trifluoromethyl)phenyl]sulfonyl]amino]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 393876-42-1 CAPLUS
CN Propanamide, 2-[[(2,4-difluorophenyl)sulfonyl][(6S,7aS)-2-(2-fluorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]-, (2S)- (9CI) (CA INDEX NAME)

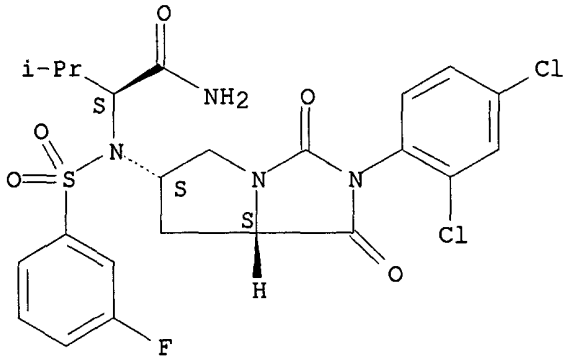
Absolute stereochemistry.



RN 393876-43-2 CAPLUS
CN Butanamide, 2-[[(6S,7aS)-2-(2,4-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][(3-fluorophenyl)sulfonyl]amino]-3-methyl-,

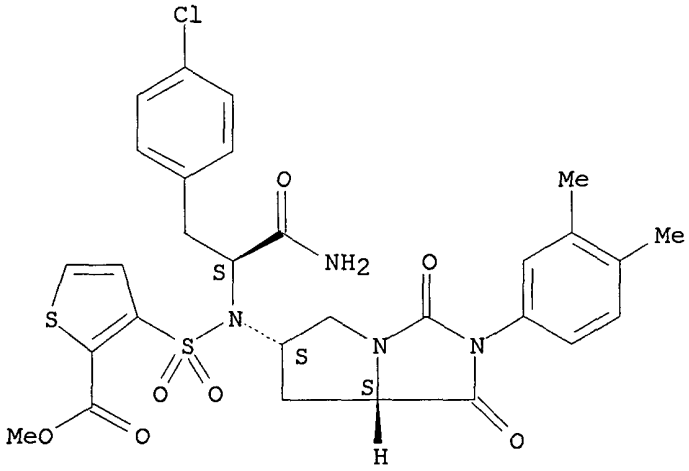
(2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



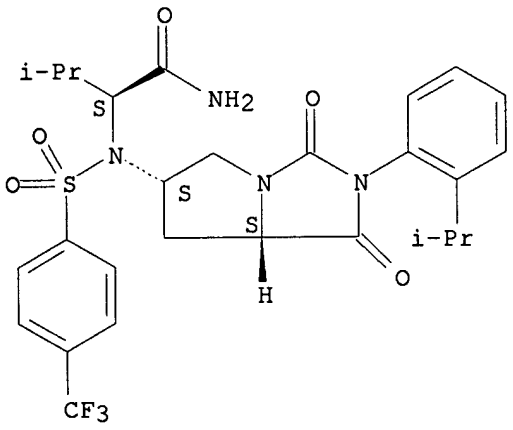
RN 393876-44-3 CAPLUS
CN 2-Thiophenecarboxylic acid, 3-[[[(1S)-2-amino-1-[(4-chlorophenyl)methyl]-2-oxoethyl][(6S,7aS)-2-(3,4-dimethylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



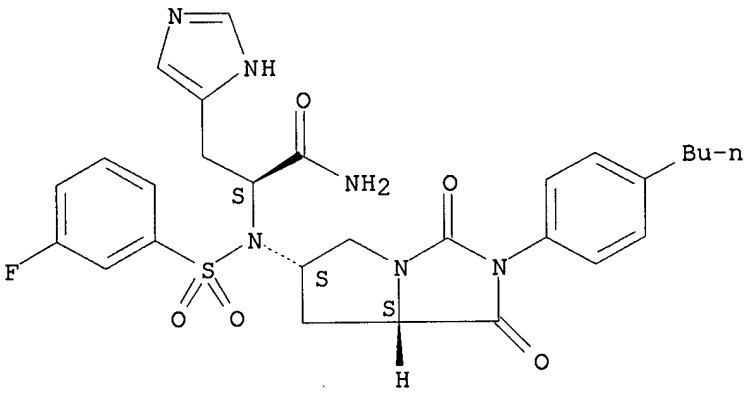
RN 393876-45-4 CAPLUS
CN Butanamide, 2-[[(6S,7aS)-hexahydro-2-[(1-methylethyl)phenyl]-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][[4-(trifluoromethyl)phenyl]sulfonyl]amino]-3-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



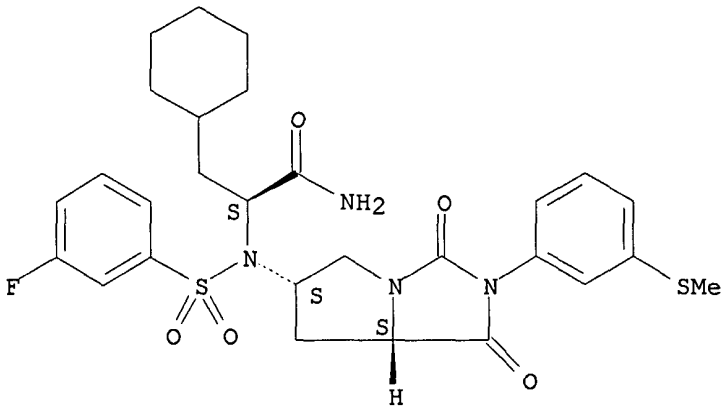
RN 393876-46-5 CAPLUS
CN 1H-Imidazole-4-propanamide, .alpha.-[[(6S,7aS)-2-(4-butylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][(3-fluorophenyl)sulfonyl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



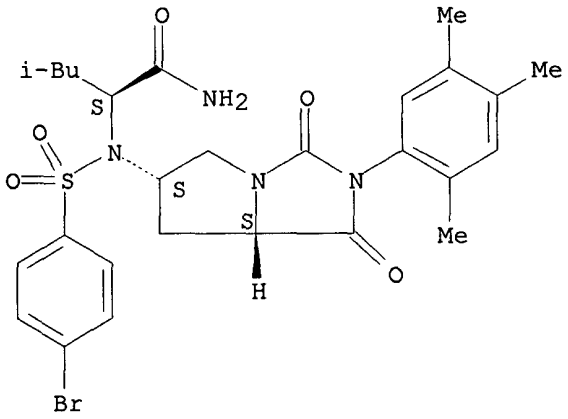
RN 393876-47-6 CAPLUS
CN Cyclohexanepropanamide, .alpha.-[[(3-fluorophenyl)sulfonyl][(6S,7aS)-hexahydro-2-[3-(methylthio)phenyl]-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



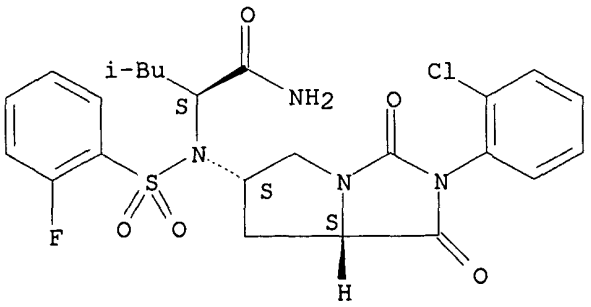
RN 393876-48-7 CAPLUS
CN Pentanamide, 2-[[(4-bromophenyl)sulfonyl][(6S,7aS)-hexahydro-1,3-dioxo-2-(2,4,5-trimethylphenyl)-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]-4-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



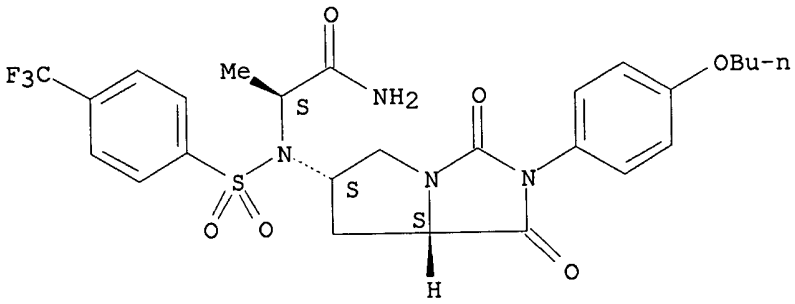
RN 393876-50-1 CAPLUS
CN Pentanamide, 2-[[(6S,7aS)-2-(2-chlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][(2-fluorophenyl)sulfonyl]amino]-4-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



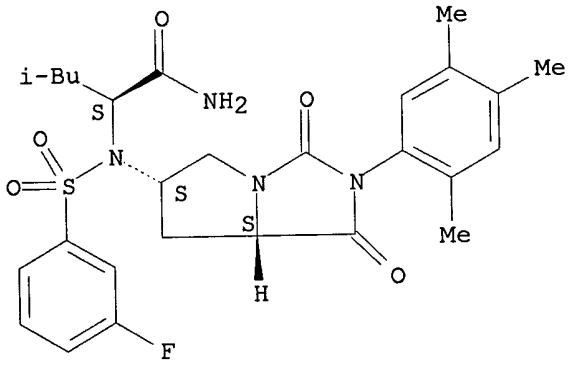
RN 393876-51-2 CAPLUS
CN Propanamide, 2-[[(6S,7aS)-2-(4-butoxyphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][[4-(trifluoromethyl)phenyl]sulfonyl]amino]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



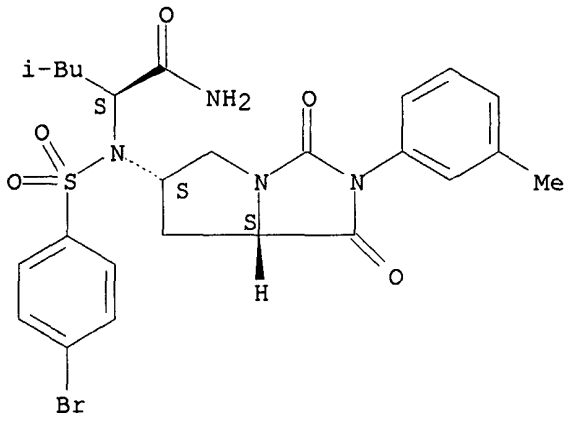
RN 393876-52-3 CAPLUS
CN Pentanamide, 2-[[(3-fluorophenyl)sulfonyl][(6S,7aS)-hexahydro-1,3-dioxo-2-(2,4,5-trimethylphenyl)-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]-4-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



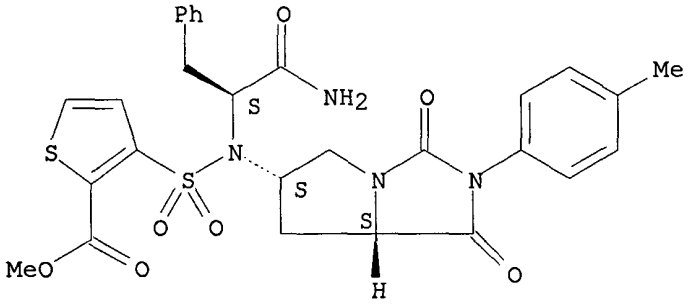
RN 393876-53-4 CAPLUS
CN Pentanamide, 2-[[(4-bromophenyl)sulfonyl][(6S,7aS)-hexahydro-2-(3-methylphenyl)-1,3-dioxo-1H-pyrrolo[1,2c]imidazol-6-yl]amino]-4-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



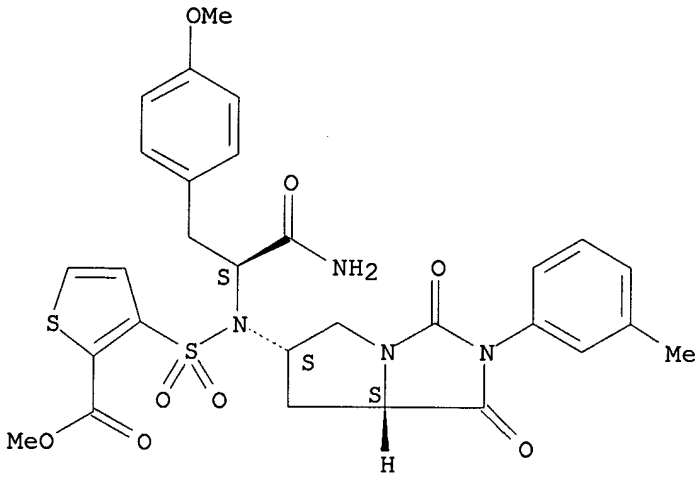
RN 393876-54-5 CAPLUS
CN 2-Thiophenecarboxylic acid, 3-[[[(1S)-2-amino-2-oxo-1-(phenylmethyl)ethyl][(6S,7aS)-hexahydro-2-(4-methylphenyl)-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



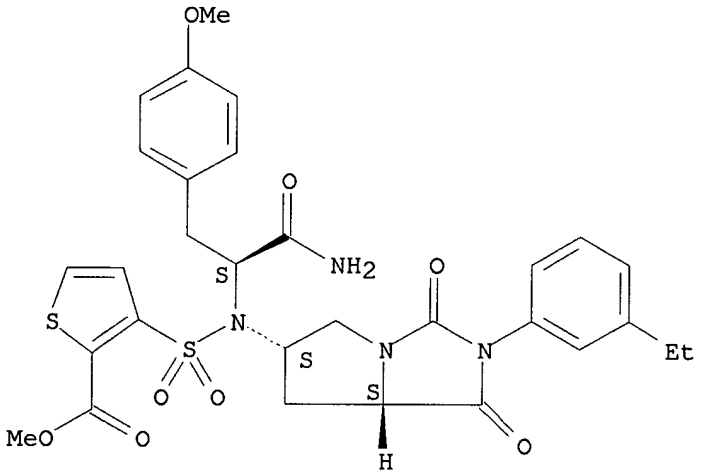
RN 393876-55-6 CAPLUS
CN 2-Thiophenecarboxylic acid, 3-[[[(1S)-2-amino-1-[(4-methoxyphenyl)methyl]-2-oxoethyl][(6S,7aS)-hexahydro-2-(3-methylphenyl)-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



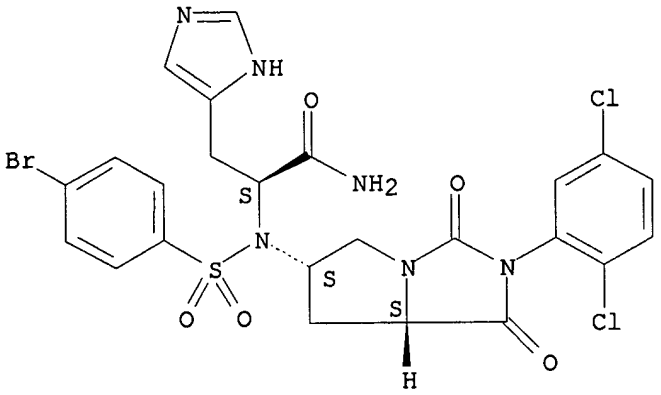
RN 393876-56-7 CAPLUS
CN 2-Thiophenecarboxylic acid, 3-[[[(1S)-2-amino-1-[(4-methoxyphenyl)methyl]-2-oxoethyl][(6S,7aS)-2-(3-ethylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



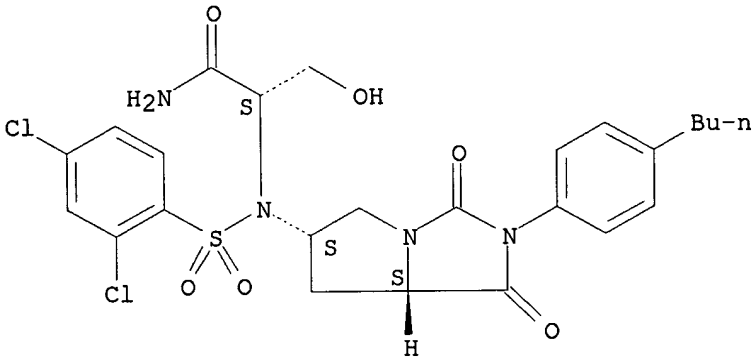
RN 393876-57-8 CAPLUS
CN 1H-Imidazole-4-propanamide, .alpha.-[[(4-bromophenyl)sulfonyl][(6S,7aS)-2-(2,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



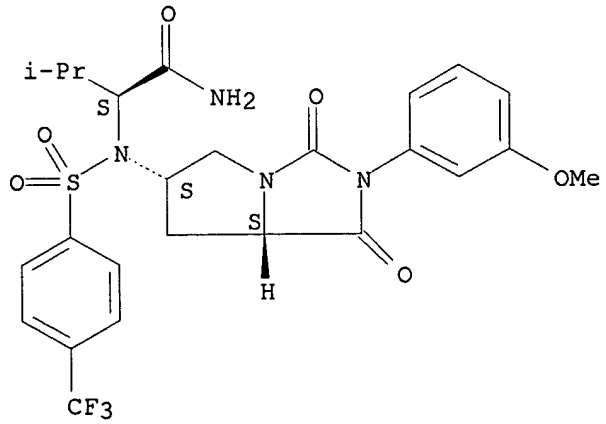
RN 393876-58-9 CAPLUS
CN Propanamide, 2-[[(6S,7aS)-2-(4-butylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][(2,4-dichlorophenyl)sulfonyl]amino]-3-hydroxy-, (2S)- (9CI) (CA INDEX NAME)

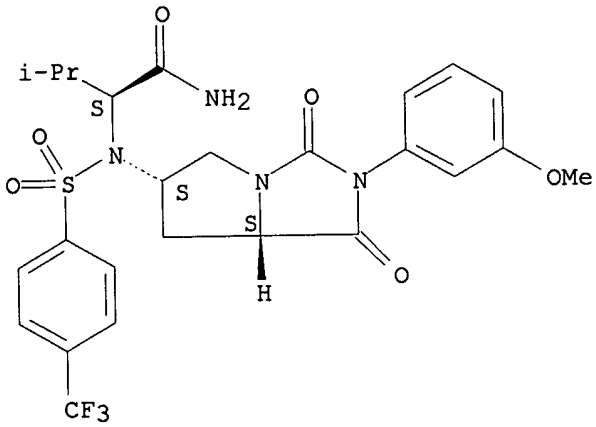
Absolute stereochemistry.



RN 393876-59-0 CAPLUS
CN Butanamide, 2-[[(6S,7aS)-hexahydro-2-(3-methoxyphenyl)-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][[4-(trifluoromethyl)phenyl]sulfonyl]amino]-3-methyl-, (2S)- (9CI) (CA INDEX NAME)

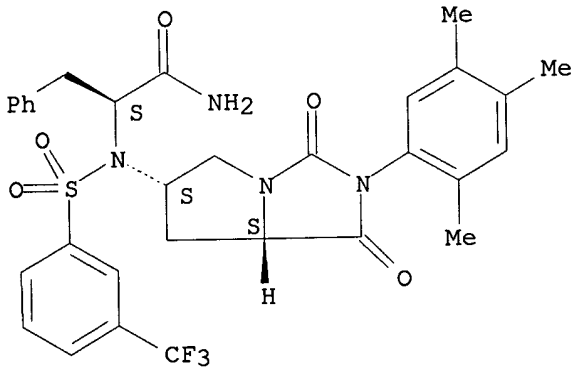
Absolute stereochemistry.





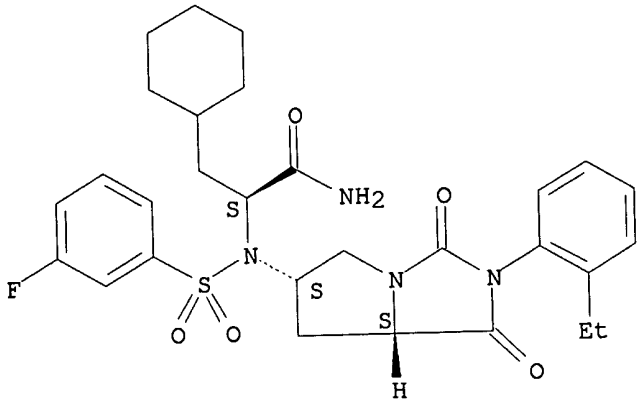
RN 393876-61-4 CAPLUS
CN Benzenepropanamide, .alpha.-[[(6S,7aS)-hexahydro-1,3-dioxo-2-(2,4,5-trimethylphenyl)-1H-pyrrolo[1,2-c]imidazol-6-yl][[3-(trifluoromethyl)phenyl]sulfonyl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



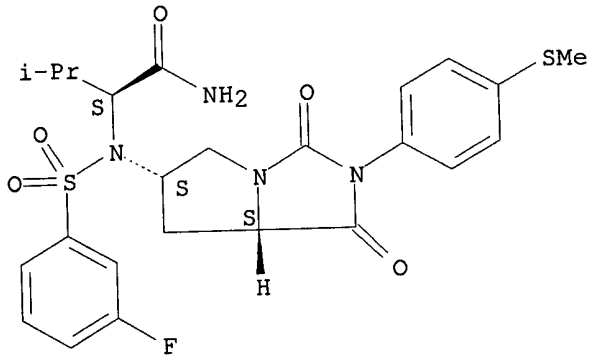
RN 393876-62-5 CAPLUS
CN Cyclohexanepropanamide, .alpha.-[[(6S,7aS)-2-(2-ethylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][(3-fluorophenyl)sulfonyl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



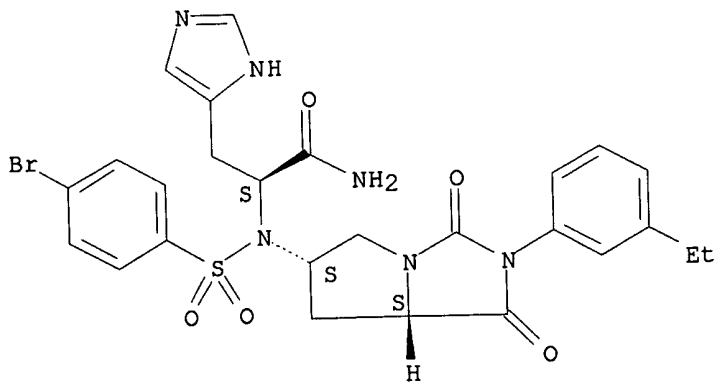
RN 393876-63-6 CAPLUS
CN Butanamide, 2-[[(3-fluorophenyl)sulfonyl][(6S,7aS)-hexahydro-2-[4-(methylthio)phenyl]-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]-3-methyl-, (2S)- (9CI) (CA INDEX NAME)

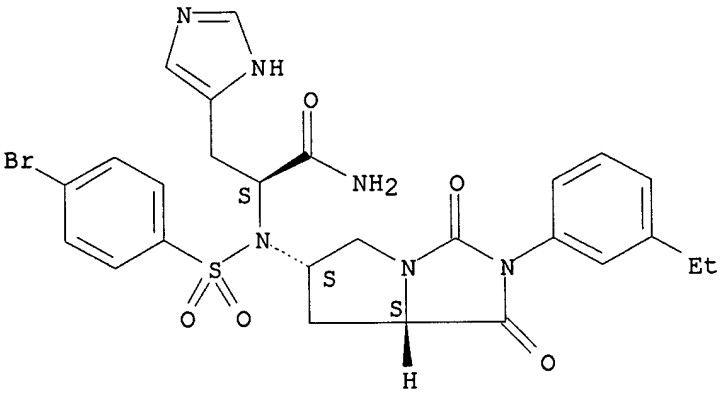
Absolute stereochemistry.



RN 393876-65-8 CAPLUS
CN 1H-Imidazole-4-propanamide, .alpha.-[[(4-bromophenyl)sulfonyl][(6S,7aS)-2-(3-ethylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

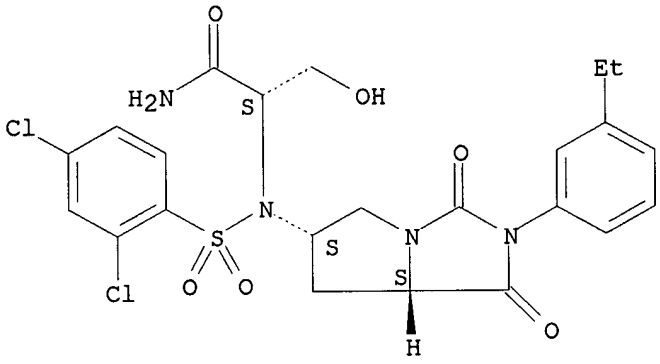
Absolute stereochemistry.





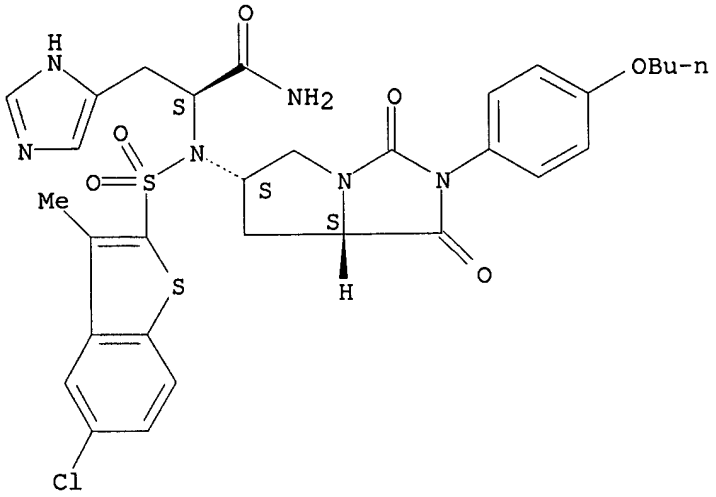
RN 393876-66-9 CAPLUS
CN Propanamide, 2-[[(2,4-dichlorophenyl)sulfonyl][(6S,7aS)-2-(3-ethylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]-3-hydroxy-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



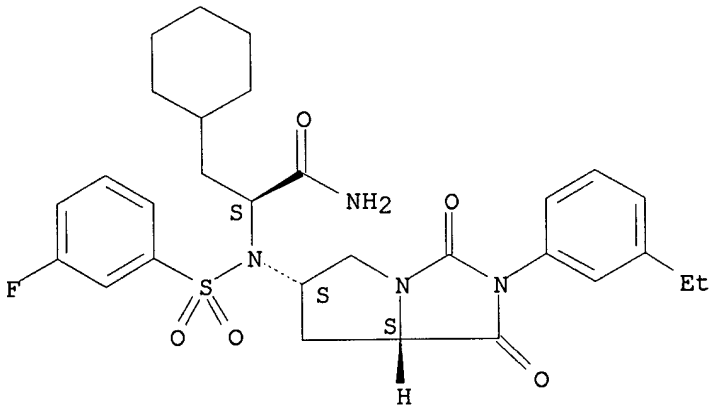
RN 393876-67-0 CAPLUS
CN 1H-Imidazole-4-propanamide, .alpha.-[[(6S,7aS)-2-(4-butoxyphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][(5-chloro-3-methylbenzo[b]thien-2-yl)sulfonyl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



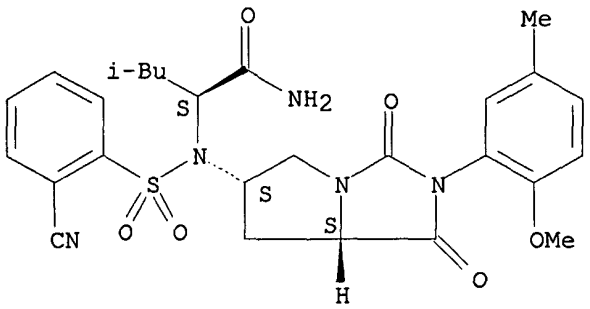
RN 393876-68-1 CAPLUS
CN Cyclohexanepropanamide, .alpha.-[[(6S,7aS)-2-(3-ethylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][(3-fluorophenyl)sulfonyl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



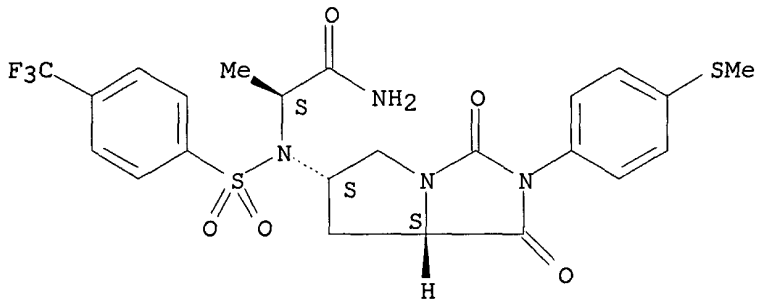
RN 393876-69-2 CAPLUS
CN Pentanamide, 2-[[(2-cyanophenyl)sulfonyl][(6S,7aS)-hexahydro-2-(2-methoxy-5-methylphenyl)-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]-4-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



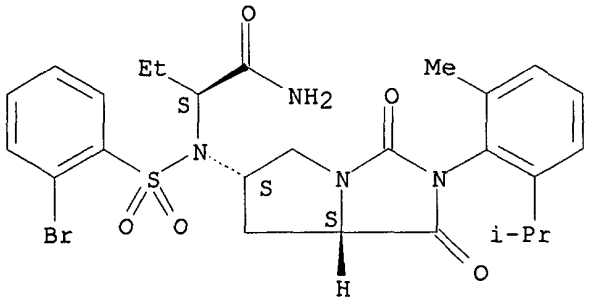
RN 393876-70-5 CAPLUS
CN Propanamide, 2-[[(6S,7aS)-hexahydro-2-[4-(methylthio)phenyl]-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][[4-(trifluoromethyl)phenyl]sulfonyl]amino]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



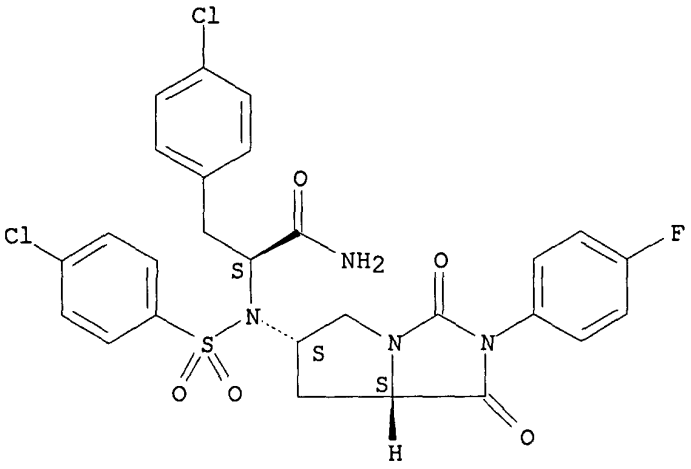
RN 393876-71-6 CAPLUS
CN Butanamide, 2-[[(2-bromophenyl)sulfonyl][(6S,7aS)-hexahydro-2-[2-methyl-6-(1-methylethyl)phenyl]-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



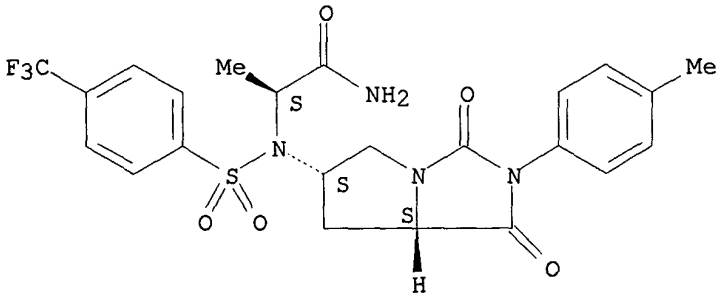
RN 393876-72-7 CAPLUS
CN Benzenepropanamide, 4-chloro-.alpha.-[[(4-chlorophenyl)sulfonyl][(6S,7aS)-2-(4-fluorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 393876-73-8 CAPLUS
CN Propanamide, 2-[[(6S,7aS)-hexahydro-2-(4-methylphenyl)-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][[4-(trifluoromethyl)phenyl]sulfonyl]amino]-, (2S)- (9CI) (CA INDEX NAME)

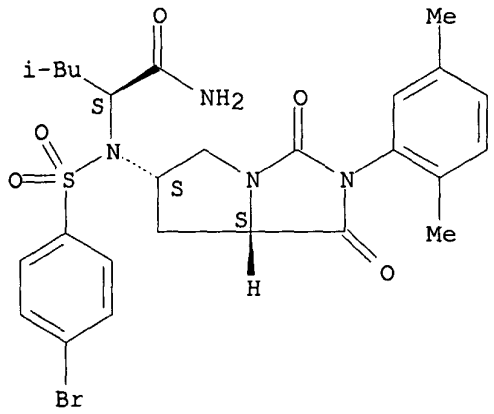
Absolute stereochemistry.



RN 393876-74-9 CAPLUS
CN Pentanamide, 2-[[(4-bromophenyl)sulfonyl][(6S,7aS)-2-(2,5-dimethylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]-4-methyl-, (2S)- (9CI) (CA INDEX NAME)

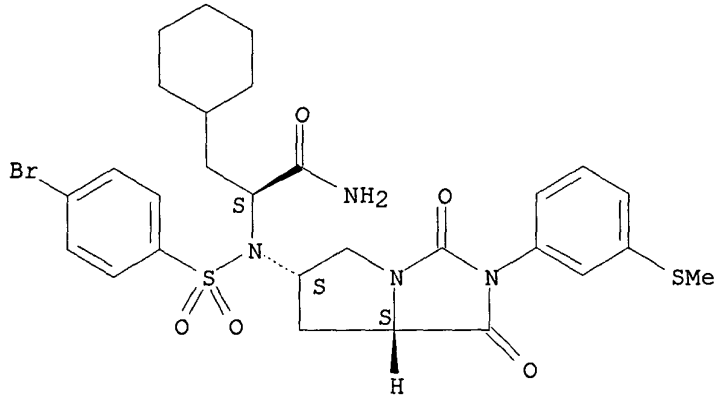
Absolute stereochemistry.

10000389



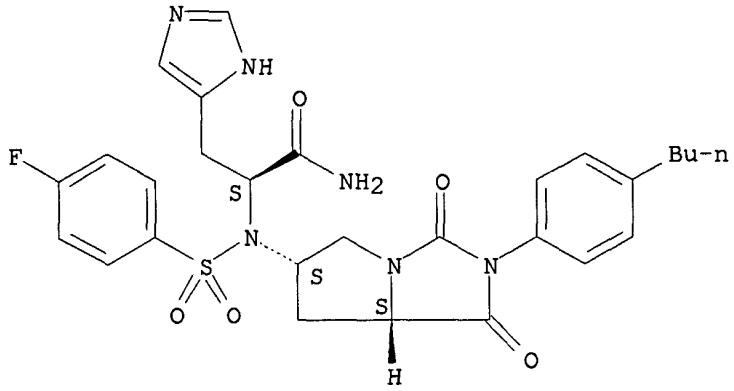
RN 393876-75-0 CAPLUS
CN Cyclohexanepropanamide, .alpha.-[[(4-bromophenyl)sulfonyl][(6S,7aS)-hexahydro-2-[3-(methylthio)phenyl]-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



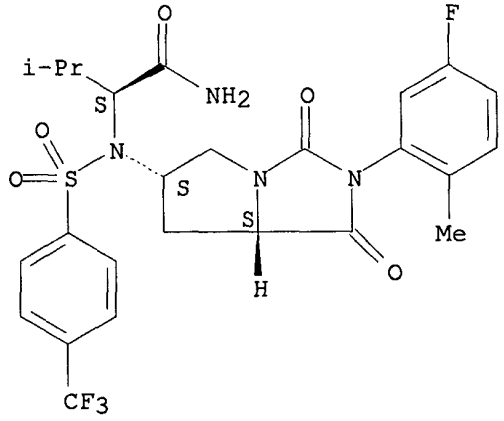
RN 393876-76-1 CAPLUS
CN 1H-Imidazole-4-propanamide, .alpha.-[[(6S,7aS)-2-(4-butylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][(4-fluorophenyl)sulfonyl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



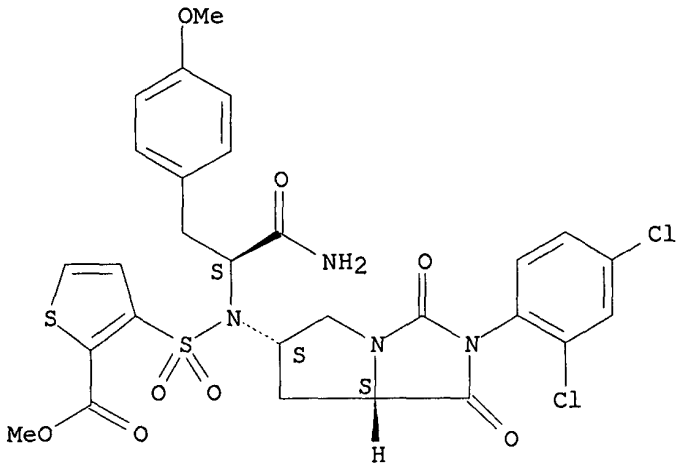
RN 393876-77-2 CAPLUS
CN Butanamide, 2-[[(6S,7aS)-2-(5-fluoro-2-methylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][[4-(trifluoromethyl)phenyl]sulfonyl]amino]-3-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



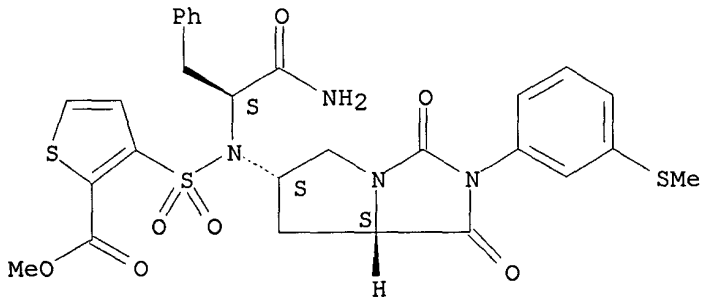
RN 393876-79-4 CAPLUS
CN 2-Thiophenecarboxylic acid, 3-[[[(1S)-2-amino-1-[(4-methoxyphenyl)methyl]-2-oxoethyl][(6S,7aS)-2-(2,4-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



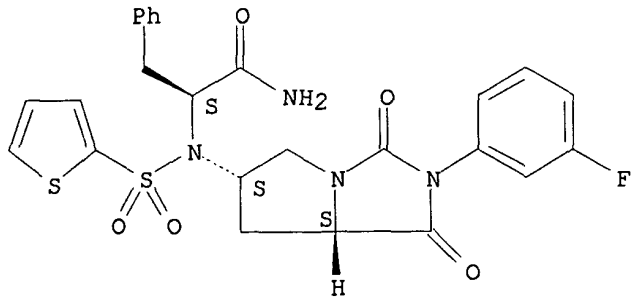
RN 393876-80-7 CAPLUS
CN 2-Thiophenecarboxylic acid, 3-[[[(1S)-2-amino-2-oxo-1-(phenylmethyl)ethyl][(6S,7aS)-hexahydro-2-[3-(methylthio)phenyl]-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



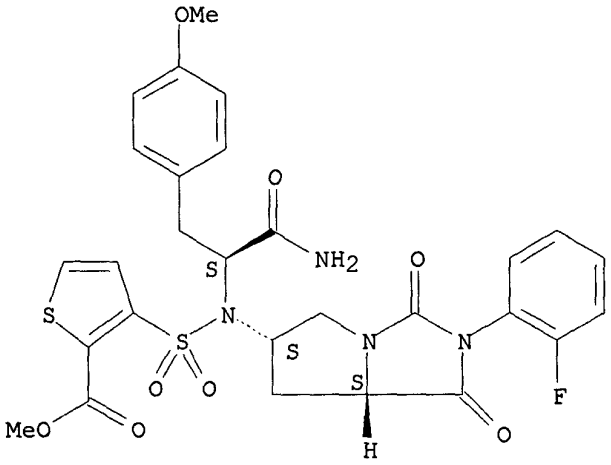
RN 393876-81-8 CAPLUS
CN Benzenepropanamide, .alpha.-[[(6S,7aS)-2-(3-fluorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl](2-thienylsulfonyl)amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



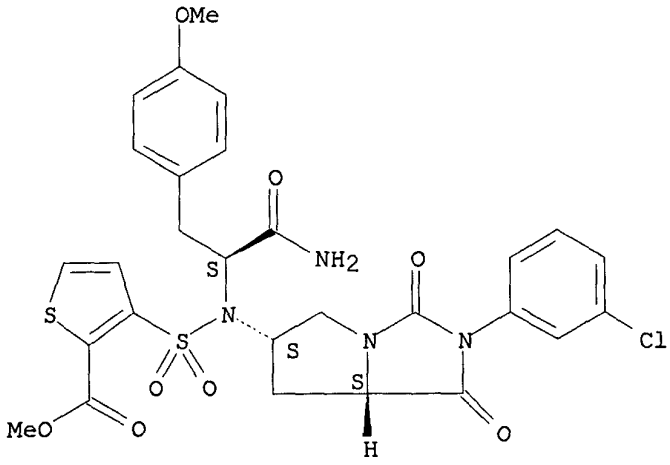
RN 393876-82-9 CAPLUS
CN 2-Thiophenecarboxylic acid, 3-[[[(1S)-2-amino-1-[(4-methoxyphenyl)methyl]-2-oxoethyl][(6S,7aS)-2-(2-fluorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



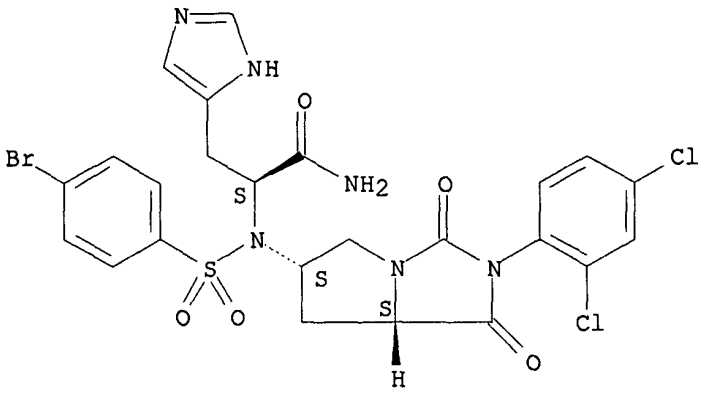
RN 393876-83-0 CAPLUS
CN 2-Thiophenecarboxylic acid, 3-[[[(1S)-2-amino-1-[(4-methoxyphenyl)methyl]-2-oxoethyl][(6S,7aS)-2-(3-chlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



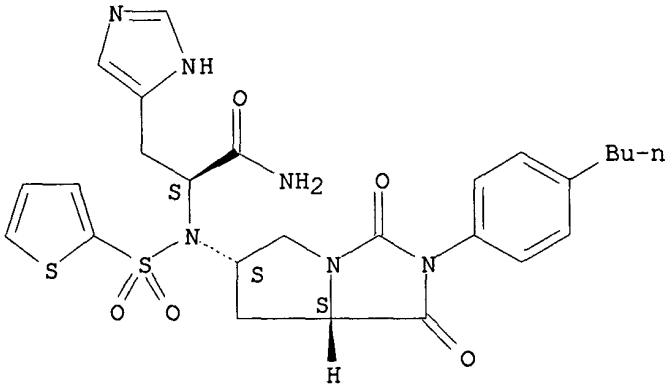
RN 393876-84-1 CAPLUS
CN 1H-Imidazole-4-propanamide, .alpha.-[[(4-bromophenyl)sulfonyl][(6S,7aS)-2-(2,4-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 393876-85-2 CAPLUS
CN 1H-Imidazole-4-propanamide, .alpha.-[[(6S,7aS)-2-(4-butylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl](2-thienylsulfonyl)amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

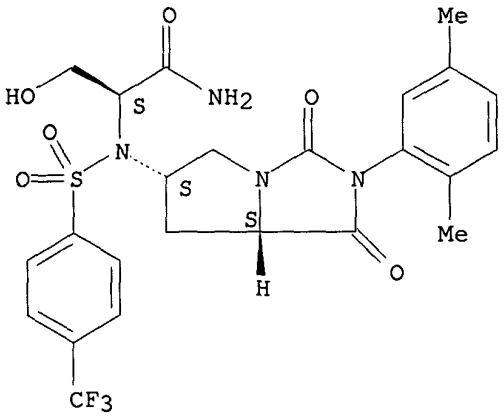
Absolute stereochemistry.



RN 393876-86-3 CAPLUS
CN Propanamide, 2-[[(6S,7aS)-2-(2,5-dimethylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][[4-(trifluoromethyl)phenyl]sulfonyl]amino]-3-hydroxy-, (2S)- (9CI) (CA INDEX NAME)

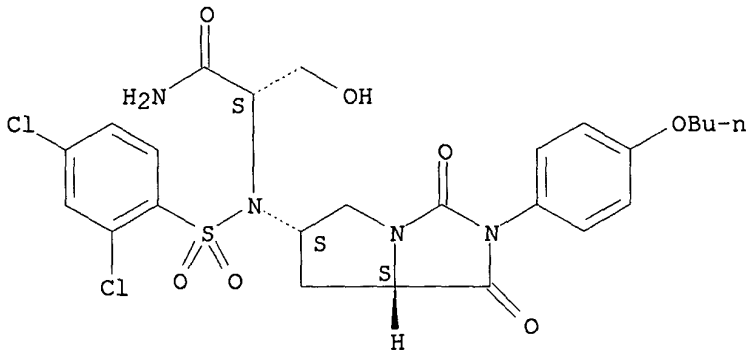
Absolute stereochemistry.

10000389



RN 393876-87-4 CAPLUS
CN Propanamide, 2-[[(6S,7aS)-2-(4-butoxyphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][(2,4-dichlorophenyl)sulfonyl]amino]-3-hydroxy-, (2S)- (9CI) (CA INDEX NAME)

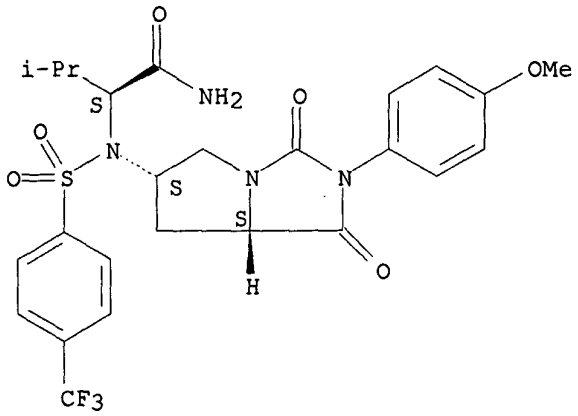
Absolute stereochemistry.



RN 393876-88-5 CAPLUS
CN Pentanamide, 2-[[(6S,7aS)-hexahydro-2-(4-methoxyphenyl)-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][[4-(trifluoromethyl)phenyl]sulfonyl]amino]-4-methyl-, (2S)- (9CI) (CA INDEX NAME)

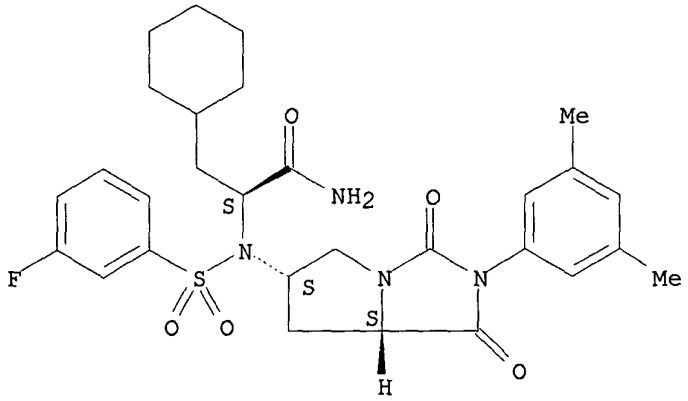
Absolute stereochemistry.

10000389



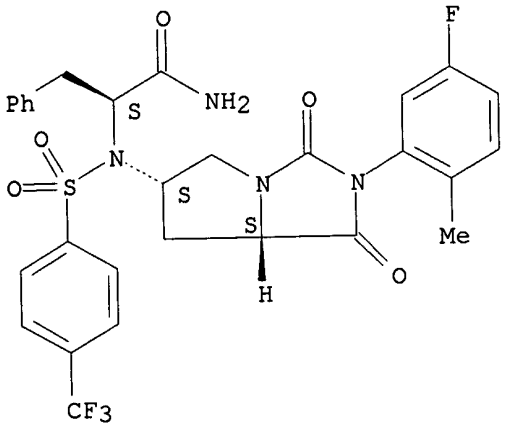
RN 393876-89-6 CAPLUS
CN Cyclohexanepropanamide, .alpha.-[[(6S,7aS)-2-(3,5-dimethylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][(3-fluorophenyl)sulfonyl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



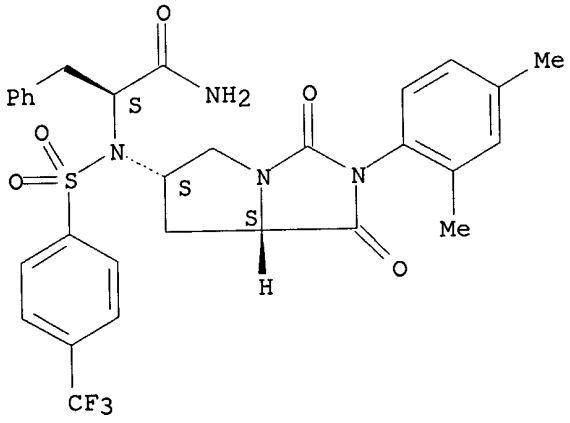
RN 393876-90-9 CAPLUS
CN Benzenepropanamide, .alpha.-[[(6S,7aS)-2-(5-fluoro-2-methylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][[4-(trifluoromethyl)phenyl]sulfonyl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



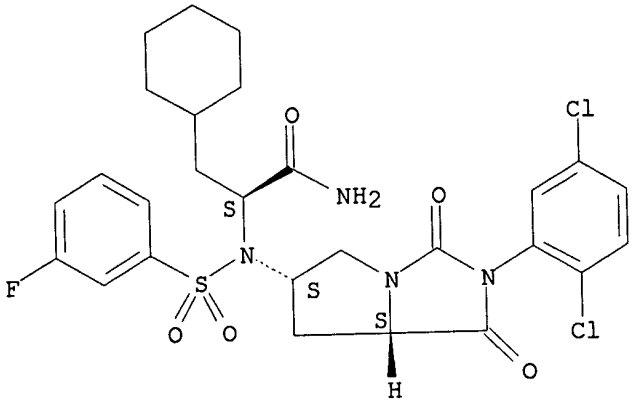
RN 393876-91-0 CAPLUS
CN Benzenepropanamide, .alpha.-[[(6S,7aS)-2-(2,4-dimethylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][[4-(trifluoromethyl)phenyl]sulfonyl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



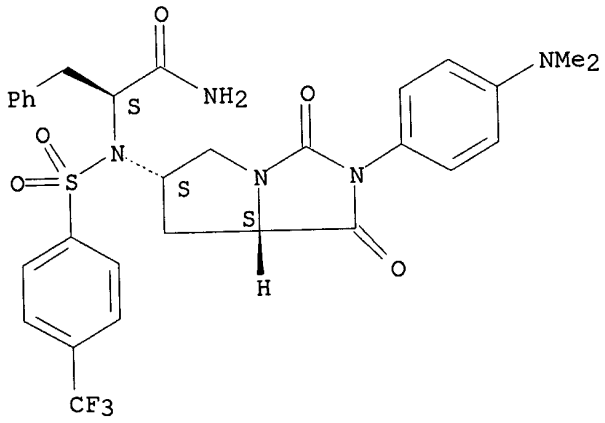
RN 393876-92-1 CAPLUS
CN Cyclohexanepropanamide, .alpha.-[[(6S,7aS)-2-(2,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][(3-fluorophenyl)sulfonyl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



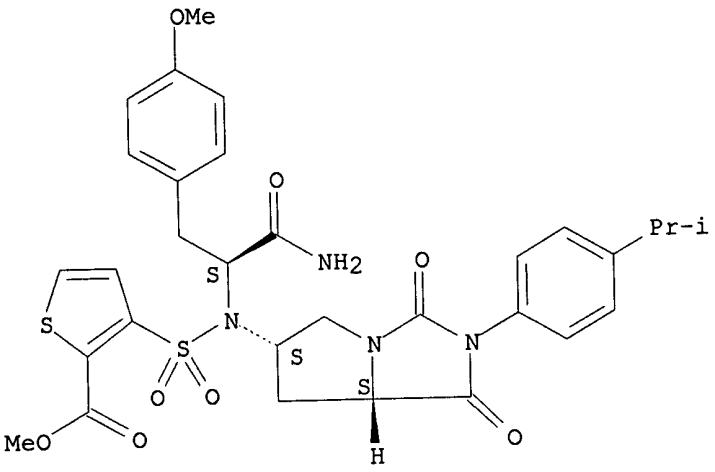
RN 393876-93-2 CAPLUS
CN Benzenepropanamide, .alpha.-[[(6S,7aS)-2-[4-(dimethylamino)phenyl]hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][[4-(trifluoromethyl)phenyl]sulfonyl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



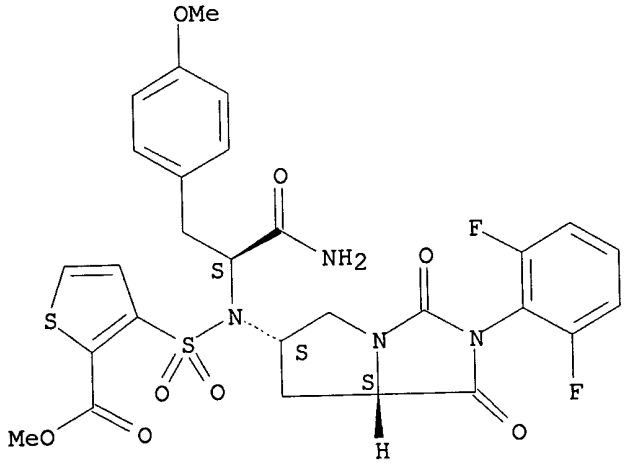
RN 393876-94-3 CAPLUS
CN 2-Thiophenecarboxylic acid, 3-[[[(1S)-2-amino-1-[(4-methoxyphenyl)methyl]-2-oxoethyl][(6S,7aS)-hexahydro-2-[4-(1-methylethyl)phenyl]-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 393876-95-4 CAPLUS
CN 2-Thiophenecarboxylic acid, 3-[[[(1S)-2-amino-1-[(4-methoxyphenyl)methyl]-2-oxoethyl][(6S,7aS)-2-(2,6-difluorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

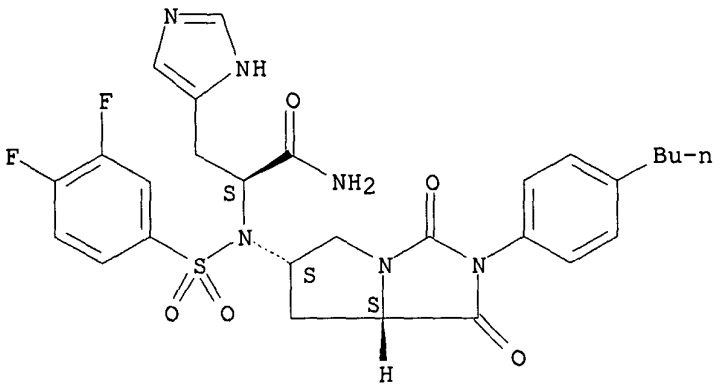
Absolute stereochemistry.



RN 393876-96-5 CAPLUS
CN 1H-Imidazole-4-propanamide, .alpha.-[[(6S,7aS)-2-(4-butylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl][(3,4-difluorophenyl)sulfonyl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

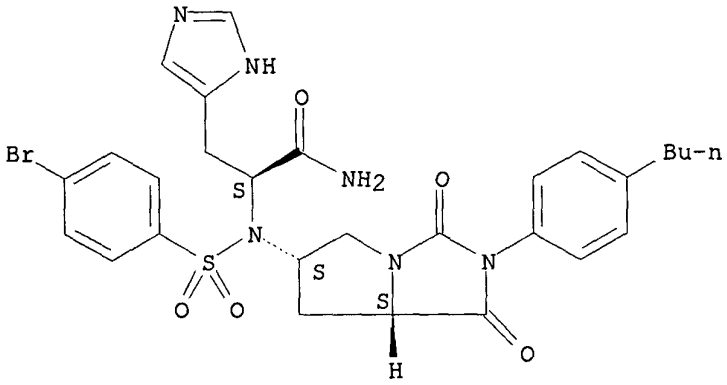
Absolute stereochemistry.

10000389



RN 393876-97-6 CAPLUS
CN 1H-Imidazole-4-propanamide, .alpha.-[[(4-bromophenyl)sulfonyl][(6S,7aS)-2-(4-butylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

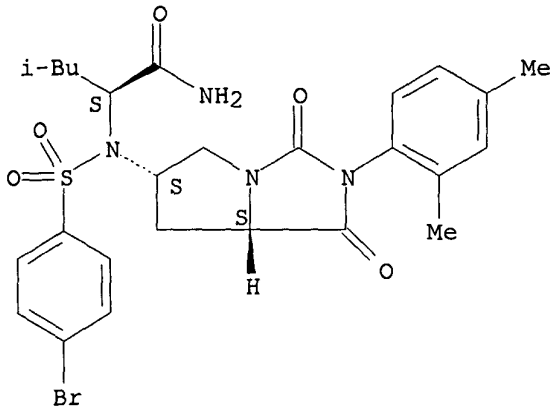
Absolute stereochemistry.



RN 393876-99-8 CAPLUS
CN Pentanamide, 2-[[(4-bromophenyl)sulfonyl][(6S,7aS)-2-(2,4-dimethylphenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]-4-methyl-, (2S)- (9CI) (CA INDEX NAME)

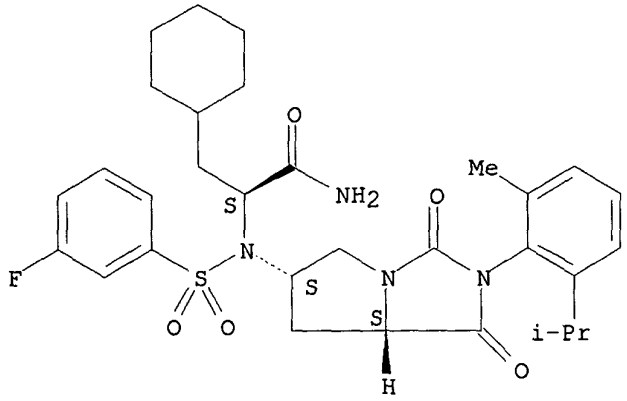
Absolute stereochemistry.

10000389



RN 393877-00-4 CAPLUS
CN Cyclohexanepropanamide, .alpha.-[[(3-fluorophenyl)sulfonyl][(6S,7aS)-hexahydro-2-[2-methyl-6-(1-methylethyl)phenyl]-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:319894 CAPLUS
DOCUMENT NUMBER: 134:326532
TITLE: Preparation of 3-(hetero)aryl-1,3-diazabicyclo[3.3.0]octane-2,4-diones and analogs as inhibitors of .alpha.1.beta.2 mediated cell adhesion
INVENTOR(S): Sircar, Ila; Furth, Paul; Teegarden, Bradley R.; Morningstar, Marshall; Smith, Nicholas; Griffith, Ronald C.
PATENT ASSIGNEE(S): Tanabe Seiyaku Co., Ltd., Japan
SOURCE: PCT Int. Appl., 195 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

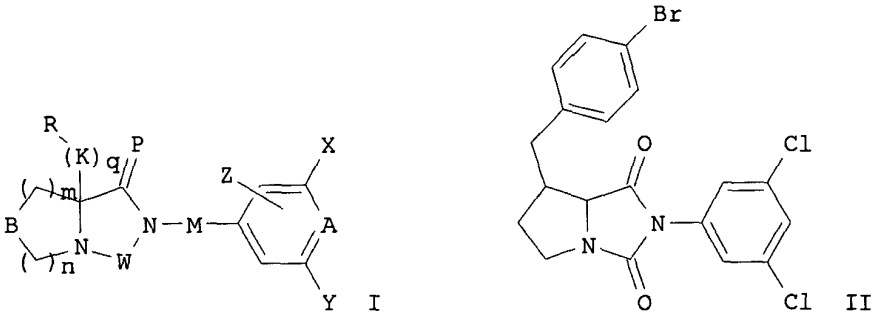
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2001030781	A2	20010503	WO 2000-US29273	20001019	
WO 2001030781	A3	20011122			
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,				
	HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,				
	LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,				
	SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,				
	YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,				
	CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000014651	A	20020618	BR 2000-14651	20001019	

PRIORITY APPLN. INFO.:
US 1999-160629P P 19991020
US 2000-209847P P 20000607
WO 2000-US29273 W 20001019

OTHER SOURCE(S): MARPAT 134:326532

GI



AB Title compds. (I) [wherein A = :CZ1 or :N; B = CH:CH, S, SO, SO2, O, or (un)substituted N or CH2; K = CH2, CHOH, CO, or CF2, M = a bond, (CH2)p, CO, or NH; W = CQ, CR6C(:Q), or C(:Q)CR6; X and Y = independently H, halo, NO2, CN, alkylthio, (halo)alkyl, alkoxy, acyl, or (un)substituted amino or (hetero)aryl; Z and Z1 = independently H, OH, halo, NO2, CF3, acyl, (un)substituted amino, carbamoyl, or alkoxy; P and Q = independently O or S; R = (un)substituted (hetero)aryl; R6 = H or (un)substituted alkyl; m = 0-3; n = 0-2; p and q = independently 1 or 2; or a pharmaceutically acceptable salt thereof] were prepd. as inhibitors of .alpha.1.beta.2 mediated cell adhesion. For example, 4-bromobenzyl bromide was added to N-(tert-butoxycarbonyl)proline Me ester in THF, the proline deprotected using TFA, 3,5-dichlorophenyl isocyanate added in the presence of DIEA in THF, and the dichlorophenylcarbamoyl deriv. cyclized using NaOEt in EtOH to afford II. In the Jurkat/ICAM-1 adhesion assay, I gave IC50 values from low nM to .mu.M. I are useful in the treatment of a variety of inflammatory diseases, including psoriasis, rheumatoid arthritis, inflammatory bowel diseases, systemic lupus erythematosus, atopic dermatitis, Sjogren's Syndrome, rejection after transplantation, and graft vs. host disease (no data).

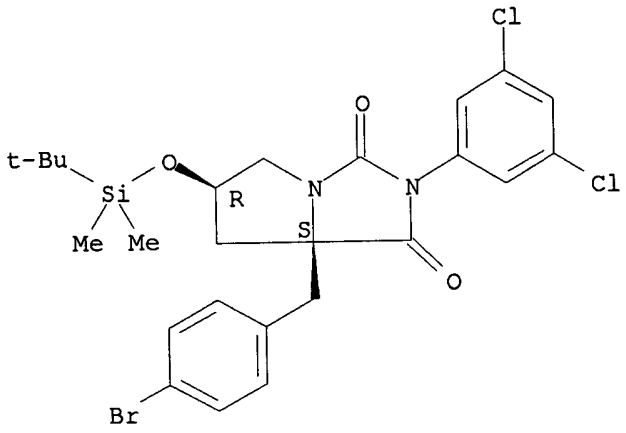
IT **336817-46-0P**
RL: PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; prepn. of 3-(hetero)aryl-1,3-diazabicyclo[3.3.0]octane-2,4-diones and analogs as inhibitors of .alpha.1.beta.2 mediated cell

adhesion by cyclization and reaction of N-[(hetero)arylcarbamoyl]prolin
e derivs.)

RN 336817-46-0 CAPLUS

CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)-6-[[(1,1-dimethylethyl)dimethylsilyl]oxy]tetrahydro-, (6R,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT **336817-55-1P**

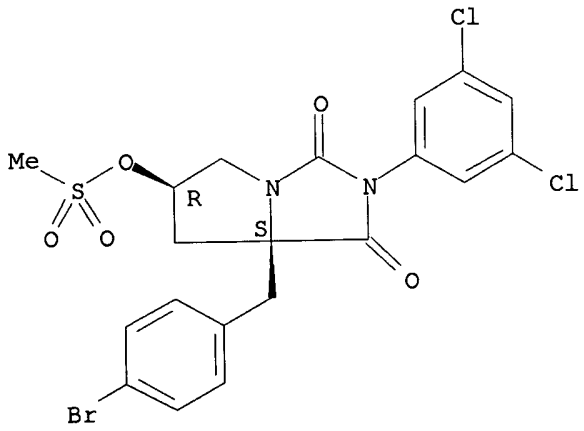
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; prepn. of 3-(hetero)aryl-1,3-diazabicyclo[3.3.0]octane-2,4-diones and analogs as inhibitors of .alpha.1.beta.2 mediated cell adhesion by cyclization and reaction of N-[(hetero)arylcarbamoyl]prolin e derivs.)

RN 336817-55-1 CAPLUS

CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)tetrahydro-6-[(methylsulfonyl)oxy]-, (6R,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT **336817-49-3P**

RL: SPN (Synthetic preparation); PREP (Preparation)

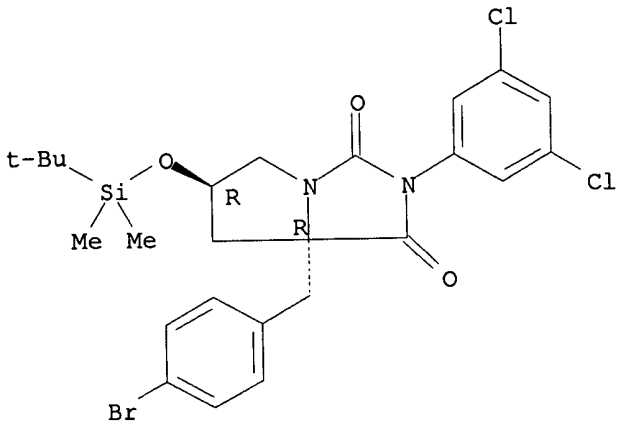
(intermediate; prepn. of 3-(hetero)aryl-1,3-diazabicyclo[3.3.0]octane-

2,4-diones and analogs as inhibitors of .alpha.1.beta.2 mediated cell adhesion by cyclization and reaction of N-[(hetero)arylcarbamoyl]proline derivs.)

RN 336817-49-3 CAPLUS

CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)-6-[[(1,1-dimethylethyl)dimethylsilyl]oxy]tetrahydro-, (6R,7aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT **336812-15-8P 336812-17-0P 336812-60-3P 336812-61-4P 336812-74-9P 336812-84-1P 336812-85-2P**

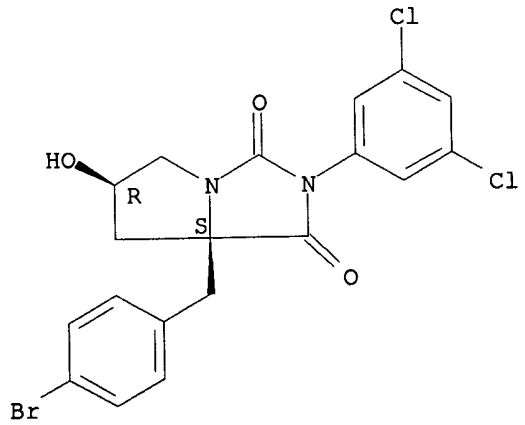
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(prepn. of 3-(hetero)aryl-1,3-diazabicyclo[3.3.0]octane-2,4-diones and analogs as inhibitors of .alpha.1.beta.2 mediated cell adhesion by cyclization and reaction of N-[(hetero)arylcarbamoyl]proline derivs.)

RN 336812-15-8 CAPLUS

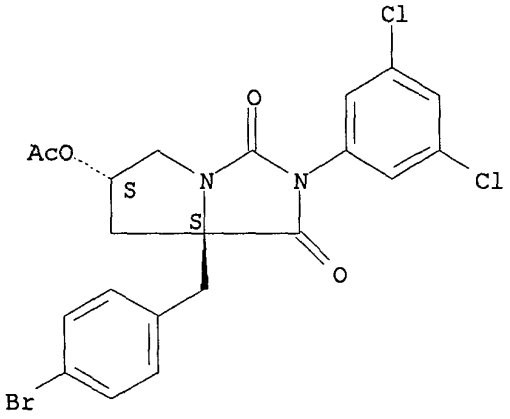
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)tetrahydro-6-hydroxy-, (6R,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



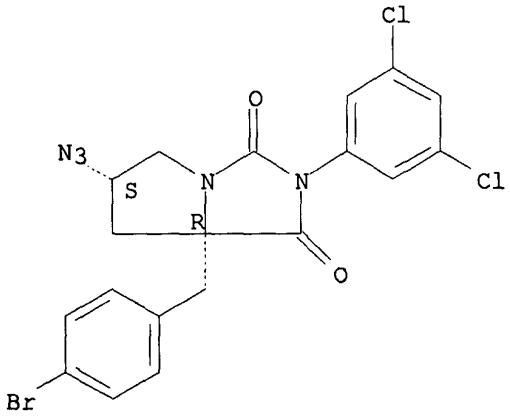
RN 336812-17-0 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-(acetyloxy)-7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)tetrahydro-, (6S,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



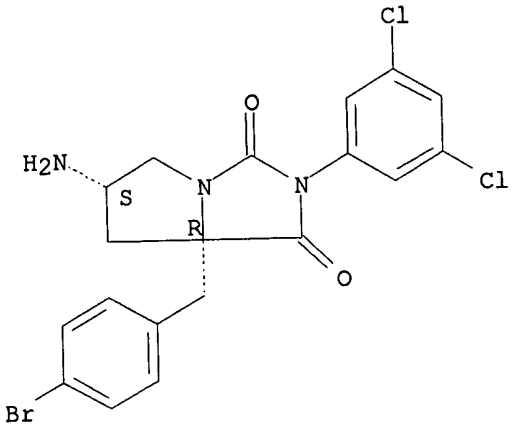
RN 336812-60-3 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-azido-7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)tetrahydro-, (6S,7aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



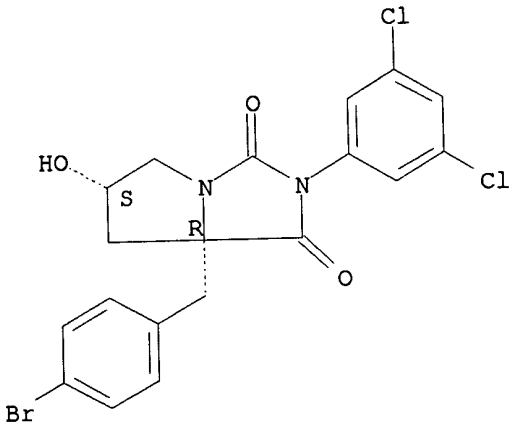
RN 336812-61-4 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-amino-7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)tetrahydro-, (6S,7aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



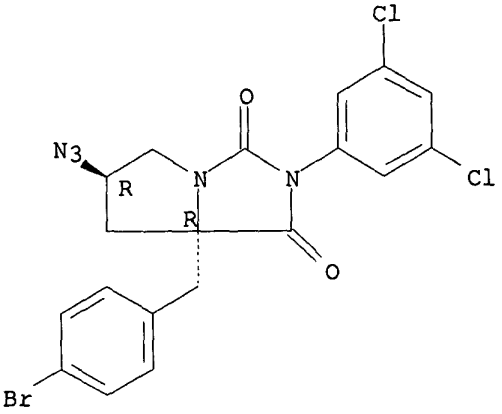
RN 336812-74-9 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)tetrahydro-6-hydroxy-, (6S,7aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



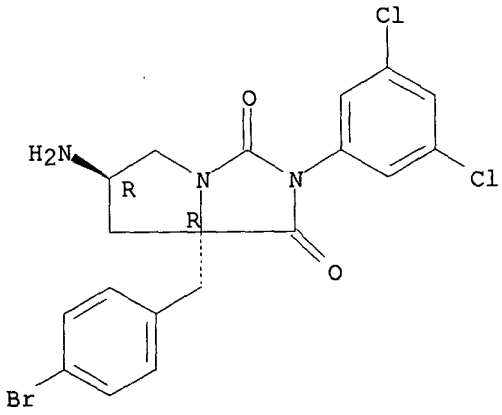
RN 336812-84-1 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-azido-7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)tetrahydro-, (6R,7aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 336812-85-2 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-amino-7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)tetrahydro-, (6R,7aR)- (9CI) (CA INDEX NAME)

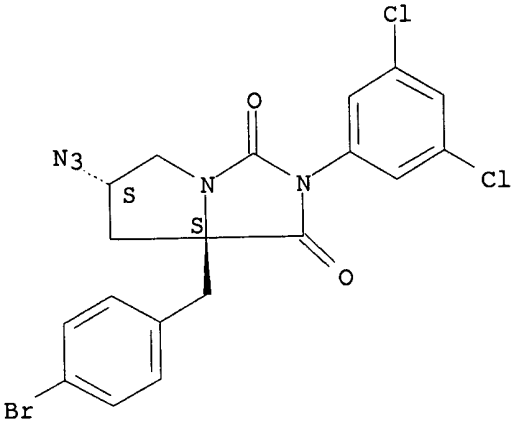
Absolute stereochemistry.



IT **336812-16-9P 336812-18-1P 336812-62-5P**
336812-63-6P 336812-64-7P 336812-88-5P
336812-89-6P 336812-90-9P 336812-91-0P
336812-92-1P 336812-93-2P 336816-15-0P
336816-19-4P 336816-63-8P 336816-65-0P
336816-67-2P 336816-69-4P 336816-71-8P
336816-73-0P 336816-75-2P 336816-77-4P
336816-79-6P 336816-81-0P 336816-83-2P
336816-85-4P 336816-87-6P 336818-92-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 3-(hetero)aryl-1,3-diazabicyclo[3.3.0]octane-2,4-diones and analogs as inhibitors of .alpha.1.beta.2 mediated cell adhesion by cyclization and reaction of N-[(hetero)arylcarbamoyl]proline derivs.)

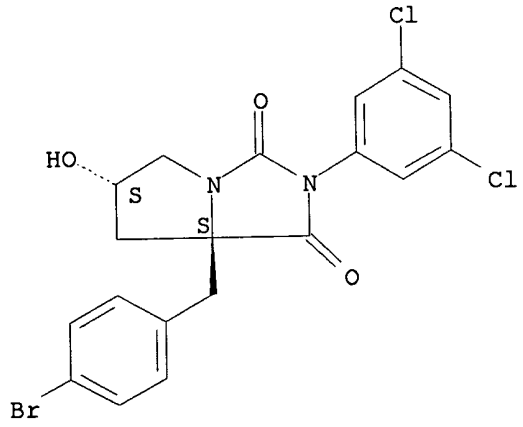
RN 336812-16-9 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-azido-7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)tetrahydro-, (6S,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



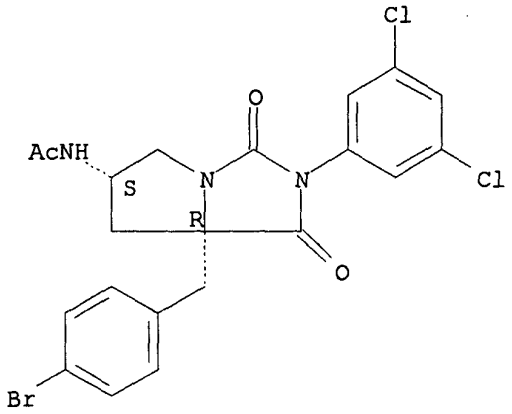
RN 336812-18-1 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)tetrahydro-6-hydroxy-, (6S,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



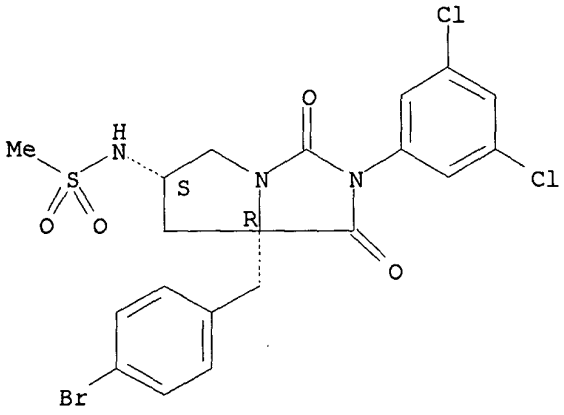
RN 336812-62-5 CAPLUS
CN Acetamide, N-[(6S,7aR)-7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



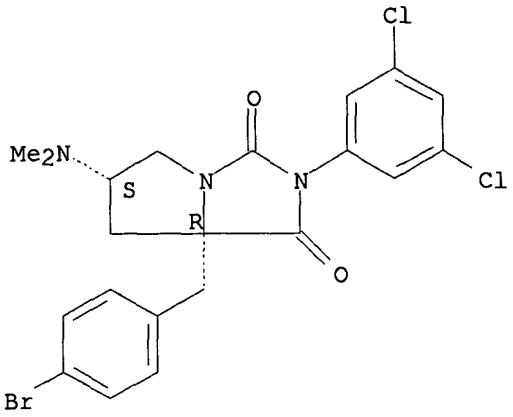
RN 336812-63-6 CAPLUS
CN Methanesulfonamide, N-[(6S,7aR)-7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



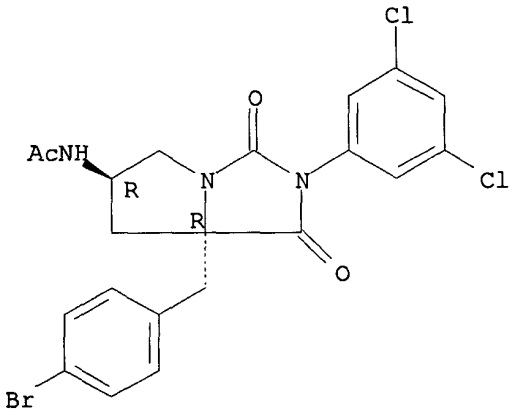
RN 336812-64-7 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)-6-(dimethylamino)tetrahydro-, (6S,7aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



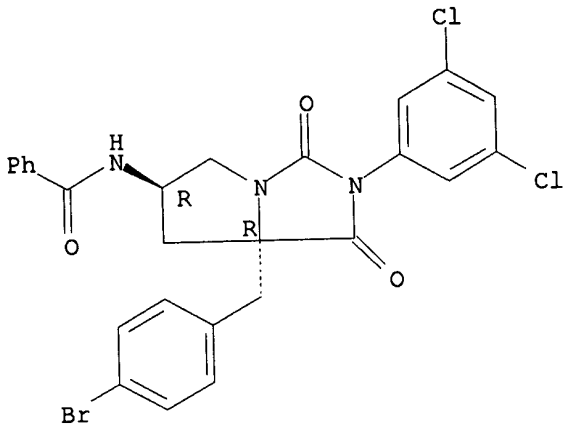
RN 336812-88-5 CAPLUS
CN Acetamide, N-[(6R,7aR)-7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



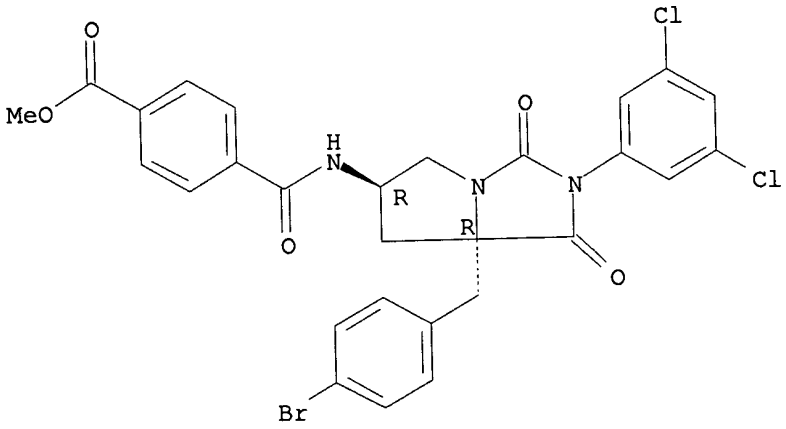
RN 336812-89-6 CAPLUS
CN Benzamide, N-[(6R,7aR)-7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



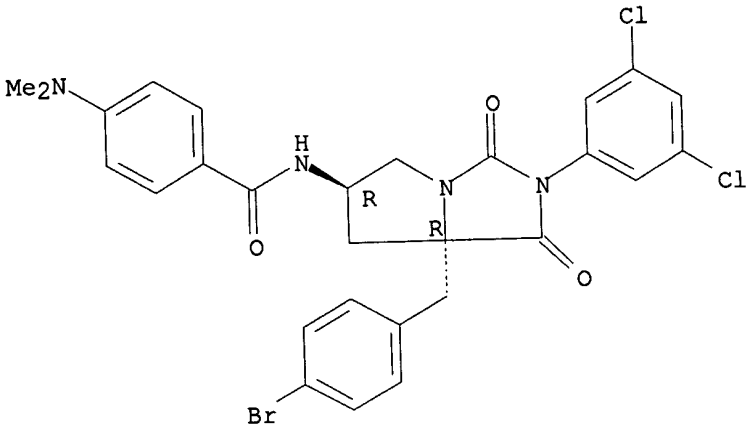
RN 336812-90-9 CAPLUS
CN Benzoic acid, 4-[[[(6R,7aR)-7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



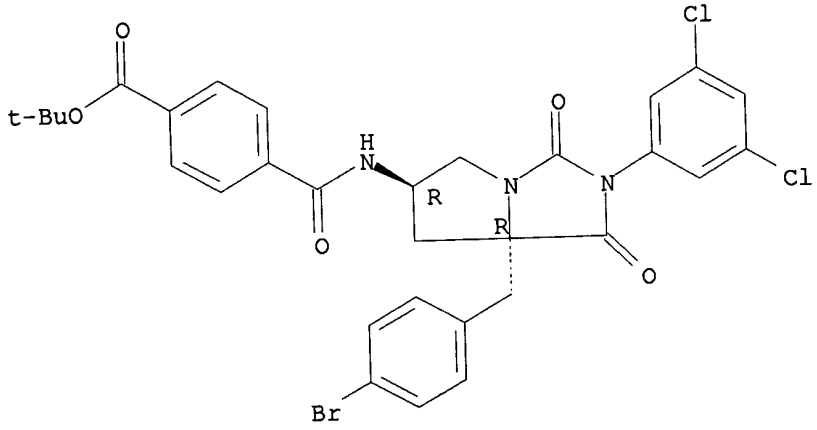
RN 336812-91-0 CAPLUS
CN Benzamide, N-[(6R,7aR)-7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]-4-(dimethylamino)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



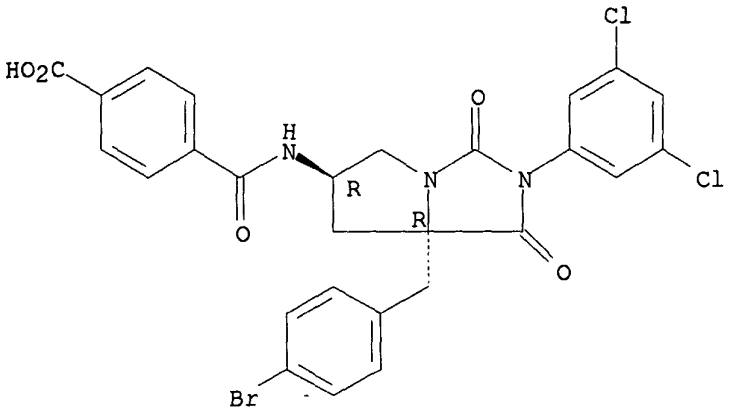
RN 336812-92-1 CAPLUS
CN Benzoic acid, 4-[[[(6R,7aR)-7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]carbonyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



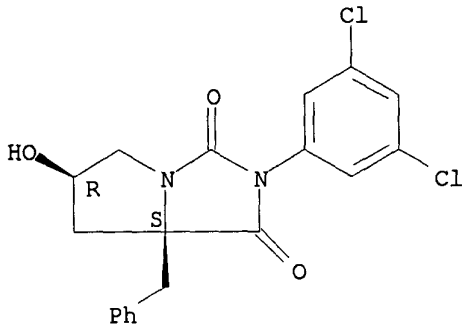
RN 336812-93-2 CAPLUS
CN Benzoic acid, 4-[[[(6R,7aR)-7a-[(4-bromophenyl)methyl]-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl]amino]carbonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



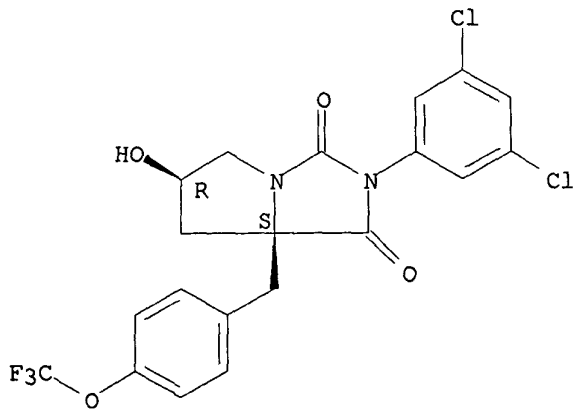
RN 336816-15-0 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-(3,5-dichlorophenyl)tetrahydro-6-hydroxy-7a-(phenylmethyl)-, (6R,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 336816-19-4 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-(3,5-dichlorophenyl)tetrahydro-6-hydroxy-7a-[[4-(trifluoromethoxy)phenyl]methyl]-, (6R,7aS)- (9CI) (CA INDEX NAME)

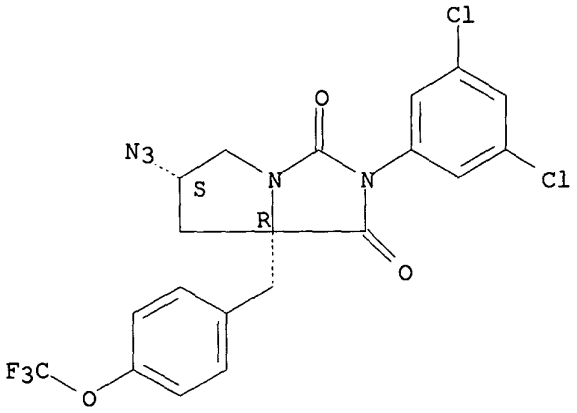
Absolute stereochemistry.



10000389

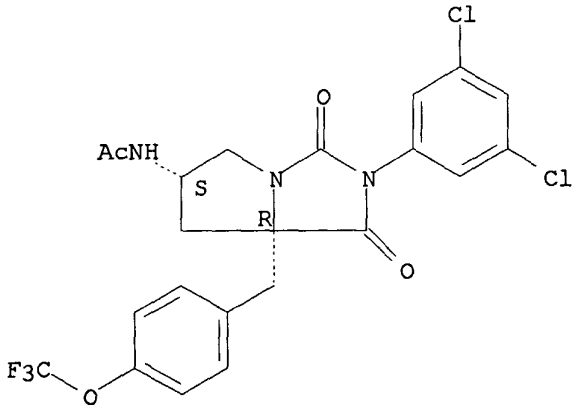
RN 336816-63-8 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-azido-2-(3,5-dichlorophenyl)tetrahydro-7a-[[4-(trifluoromethoxy)phenyl]methyl]-, (6S,7aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



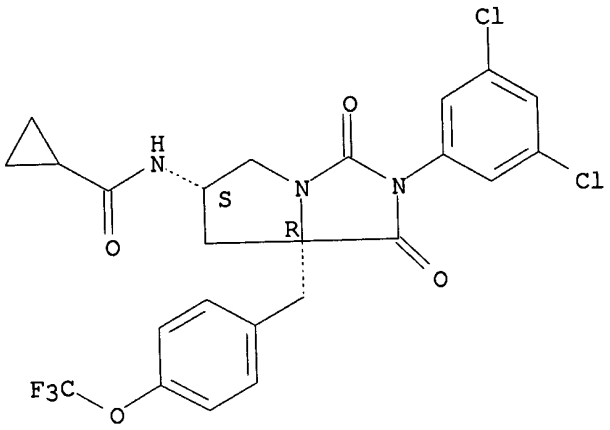
RN 336816-65-0 CAPLUS
CN Acetamide, N-[(6S,7aR)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-7a-[[4-(trifluoromethoxy)phenyl]methyl]-1H-pyrrolo[1,2-c]imidazol-6-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



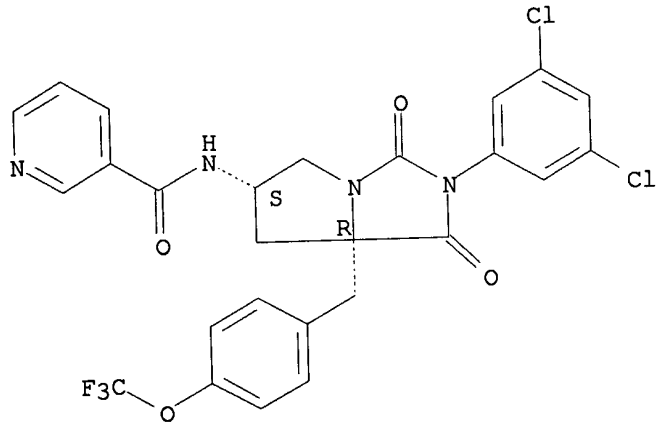
RN 336816-67-2 CAPLUS
CN Cyclopropanecarboxamide, N-[(6S,7aR)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-7a-[[4-(trifluoromethoxy)phenyl]methyl]-1H-pyrrolo[1,2-c]imidazol-6-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



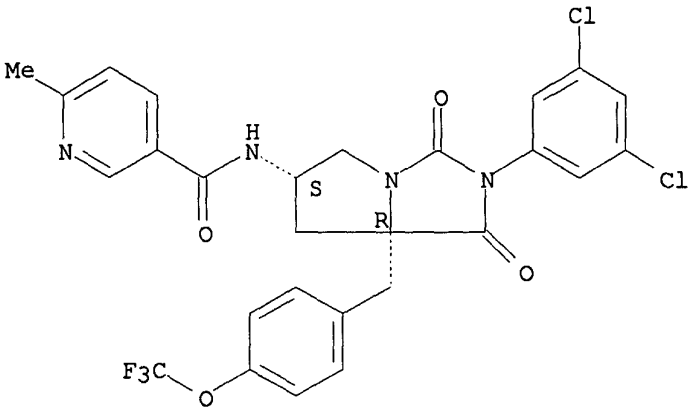
RN 336816-69-4 CAPLUS
CN 3-Pyridinecarboxamide, N-[(6S,7aR)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-7a-[[4-(trifluoromethoxy)phenyl]methyl]-1H-pyrrolo[1,2-c]imidazol-6-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



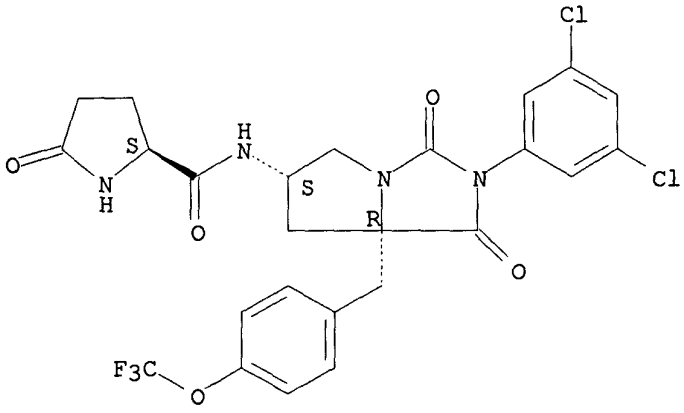
RN 336816-71-8 CAPLUS
CN 3-Pyridinecarboxamide, N-[(6S,7aR)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-7a-[[4-(trifluoromethoxy)phenyl]methyl]-1H-pyrrolo[1,2-c]imidazol-6-yl]-6-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



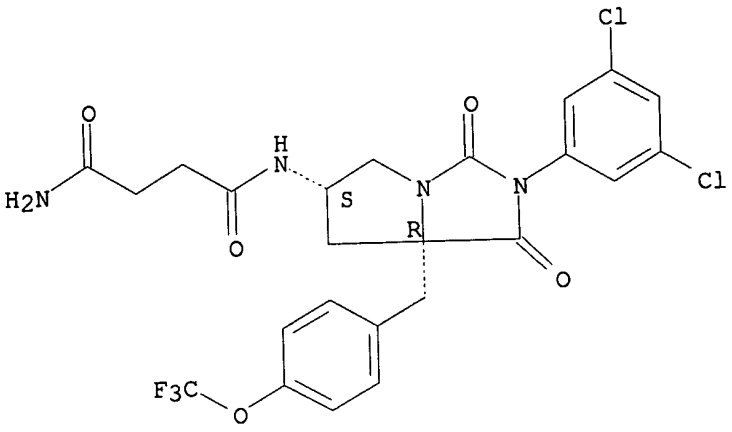
RN 336816-73-0 CAPLUS
CN 2-Pyrrolidinecarboxamide, N-[(6S,7aR)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-7a-[[4-(trifluoromethoxy)phenyl]methyl]-1H-pyrrolo[1,2-c]imidazol-6-yl]-5-oxo-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



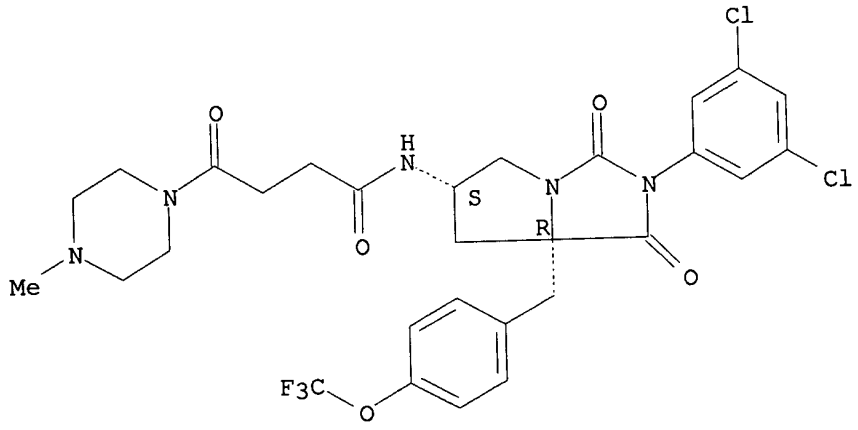
RN 336816-75-2 CAPLUS
CN Butanediamide, N-[(6S,7aR)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-7a-[[4-(trifluoromethoxy)phenyl]methyl]-1H-pyrrolo[1,2-c]imidazol-6-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



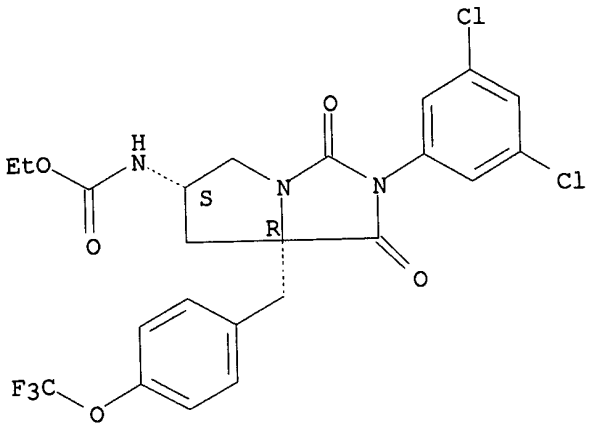
RN 336816-77-4 CAPLUS
CN 1-Piperazinebutanamide, N-[(6S,7aR)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-7a-[[4-(trifluoromethoxy)phenyl]methyl]-1H-pyrrolo[1,2-c]imidazol-6-yl]-4-methyl-.gamma.-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



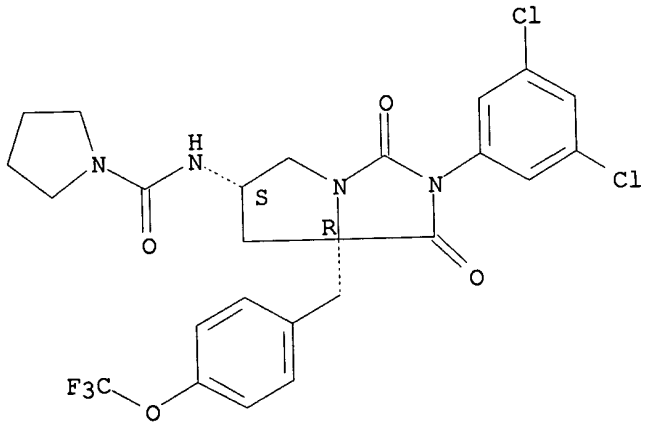
RN 336816-79-6 CAPLUS
CN Carbamic acid, [(6S,7aR)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-7a-[[4-(trifluoromethoxy)phenyl]methyl]-1H-pyrrolo[1,2-c]imidazol-6-yl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



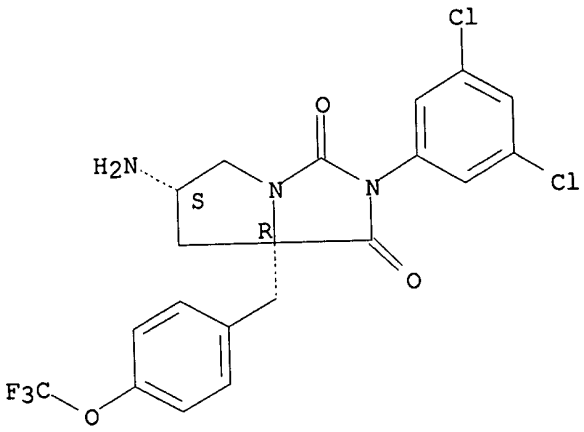
RN 336816-81-0 CAPLUS
CN 1-Pyrrolidinecarboxamide, N-[(6S,7aR)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-7a-[[4-(trifluoromethoxy)phenyl]methyl]-1H-pyrrolo[1,2-c]imidazol-6-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



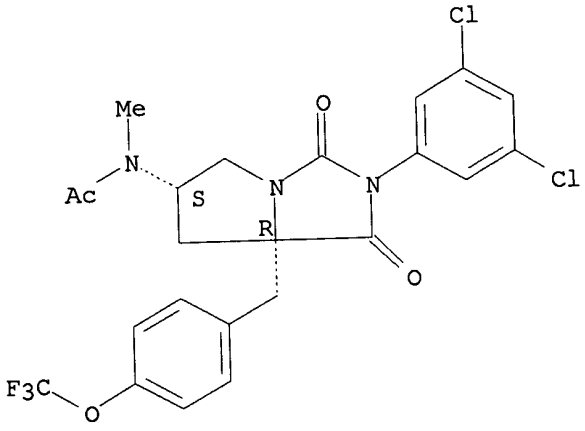
RN 336816-83-2 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-amino-2-(3,5-dichlorophenyl)tetrahydro-7a-[[4-(trifluoromethoxy)phenyl]methyl]-, (6S,7aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 336816-85-4 CAPLUS
CN Acetamide, N-[(6S,7aR)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-7a-[[4-(trifluoromethoxy)phenyl]methyl]-1H-pyrrolo[1,2-c]imidazol-6-yl]-N-methyl- (9CI) (CA INDEX NAME)

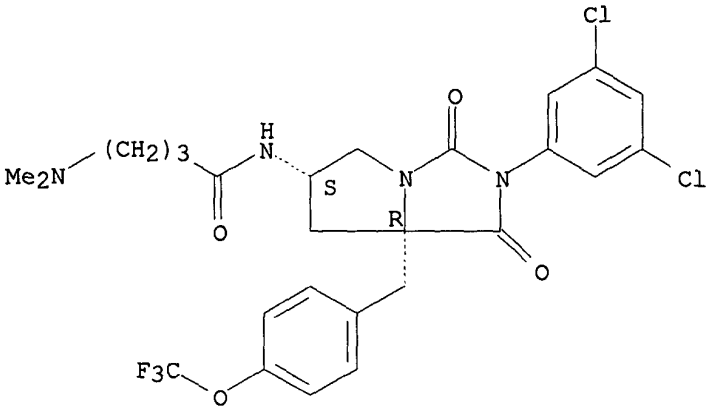
Absolute stereochemistry.



RN 336816-87-6 CAPLUS
CN Butanamide, N-[(6S,7aR)-2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-7a-[[4-(trifluoromethoxy)phenyl]methyl]-1H-pyrrolo[1,2-c]imidazol-6-yl]-4-(dimethylamino)- (9CI) (CA INDEX NAME)

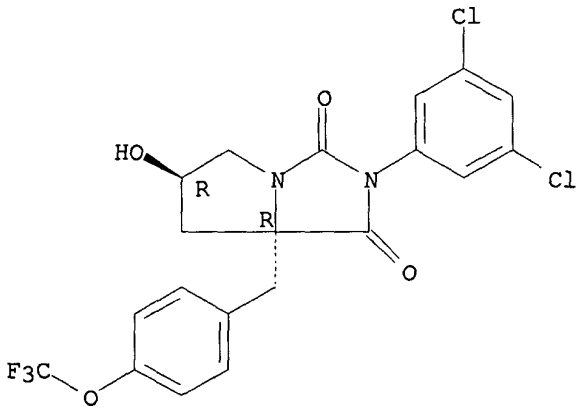
Absolute stereochemistry.

10000389



RN 336818-92-9 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-(3,5-dichlorophenyl)tetrahydro-6-hydroxy-7a-[[4-(trifluoromethoxy)phenyl]methyl]-, (6R,7aR)- (9CI) (CA INDEX NAME)

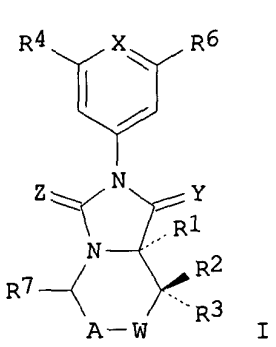
Absolute stereochemistry.



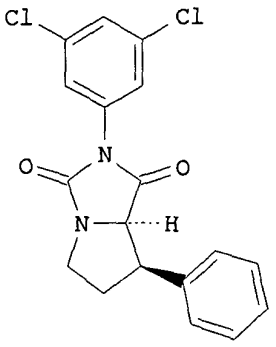
L4 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:78243 CAPLUS
DOCUMENT NUMBER: 134:131537
TITLE: Novel N-aryl cycloalkyl fused imidazolediones useful in the treatment of inflammatory disease
INVENTOR(S): Kelly, Terence Alfred; Wu, Jiang-Ping; Kuzmich, Daniel
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 114 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001007052	A1	20010201	WO 2000-US17752	20000628
W: CA, JP, MX				

RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
US 6365615 B1 20020402 US 2000-605675 20000628
PRIORITY APPLN. INFO.: US 1999-144894P P 19990721
OTHER SOURCE(S): MARPAT 134:131537
GI



I



II

AB Novel N-aryl cycloalkyl fused imidazolediones I [Y and Z independently = O or S; R1 = H, (un)substituted unbranched or branched alkyl or cycloalkyl, alkoxy or acyloxy; R2 = (un)substituted aryl; R3 = H, OH, alkoxy, acyloxy, or (un)substituted unbranched or branched alkyl or cycloalkyl; R4 = Cl or CF3; X = N or CR5 where R5 = H, halo, Me, or CF3; R6 = H, halo, Me, CN, NO2 or CF3 with condition that when X = N or CH, R6 = Cl or CF3; A = (CHR8)m where m = 0 or 1; W = (CHR9)n where n = 0 or 1 and m + n = 1 or 2; R7, R8 and R9 independently = H, oxo, R10, OR10, NHR10, COR10, CONHR10, CO2R10, SO2R10 or SR10 wherein R10 = H, (un)substituted branched or unbranched alkyl or cycloalkyl, alkylcarboxylic acid, alkylphosphonic acid, alkylamidino, etc.] which are useful for treating or preventing inflammatory and immune cell-mediated diseases are disclosed as well as methods for their prepn. Thus, II was prepd. in four steps via a cyclocondensation reaction of an intermediate N-(3,5-dichlorophenylamido)-3-phenylpyrrolidin-2-yl carboxylic acid. The title compds. possessed Kd values < 10 .mu.M for inhibition of LFA-1 binding to ICAM-1. Pharmaceutical compns. of I suitable for prevention or treatment of inflammatory and immune cell-mediated conditions are disclosed.

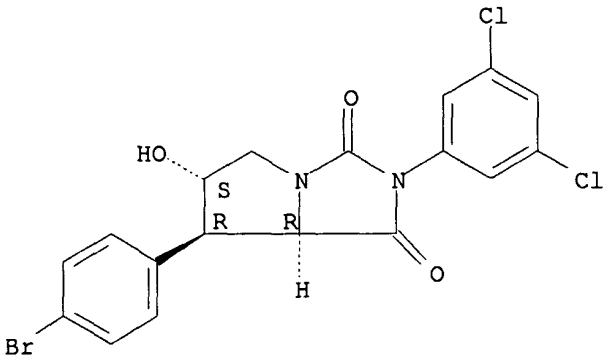
IT **321983-24-8P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. and biol. activity of N-aryl cycloalkyl fused imidazolediones as antiinflammatory agents)

RN 321983-24-8 CAPLUS

CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 7-(4-bromophenyl)-2-(3,5-dichlorophenyl)tetrahydro-6-hydroxy-, (6R,7S,7aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

10000389



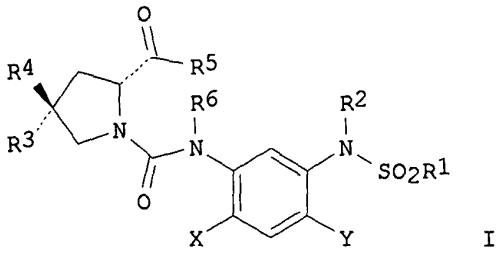
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1998:604903 CAPLUS
DOCUMENT NUMBER: 129:202944
TITLE: Preparation of intermediates and 1,3-dioxo-1H-pyrrolo[1,2-c]imidazoles
INVENTOR(S): Taylor, Eric Deguyon; Petrov, Viacheslav Alexandrovich; Schaefer, Matthias; Drauz, Karlheinz; Vogt, Anne; Weckbecker, Christoph; Swearingen, Steven H.; Kamireddy, Balreddy
PATENT ASSIGNEE(S): E.I. Du Pont de Nemours and Co., USA; Degussa A.-G.
SOURCE: PCT Int. Appl., 58 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9837065	A1	19980827	WO 1998-US2721	19980213
W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, GW, HU, ID, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9861604	A1	19980909	AU 1998-61604	19980213
EP 973739	A1	20000126	EP 1998-906363	19980213
R: DE, FR, IT				
US 6384234	B1	20020507	US 1999-367899	19991230

PRIORITY APPLN. INFO.: US 1997-38429P P 19970219
WO 1998-US2721 W 19980213
OTHER SOURCE(S): CASREACT 129:202944; MARPAT 129:202944
GI

10000389



I

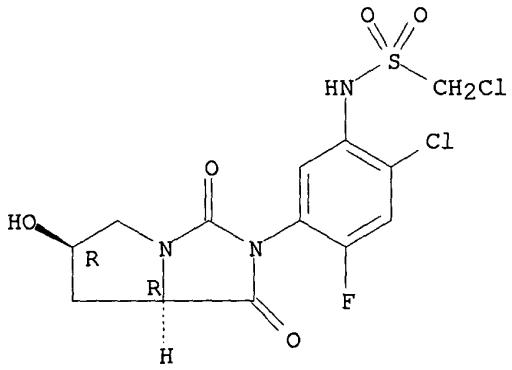
AB Title compds. [I; R1 = haloalkyl, alkoxyalkyl, cyanoalkyl, etc.; R2 = H, (halo)alkyl, alkanoyl, alkoxycarbonyl, etc.; R3 = H or OH; R4,X = H, F, Cl; Y = F or Cl; R5 = OH; R6 = H; R5R6 = bond] were prepd. Thus, N-(2-chloro-4-fluoro-5-isocyanatophenyl)chloromethanesulfonamide (prepn. given) was amidated by cis-4-hydroxy-D-proline to give I (R1 = Y = Cl, R2 = H, X = F)(II; R4 = R6 = H, R3 = R5 = OH) which was cyclized and the product fluorinated to give II (R3 = H, R4 = F, R5R6 = bond).

IT **190314-60-4P**
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of intermediates and 1,3-dioxo-1H-pyrrolo[1,2-c]imidazoles)

RN 190314-60-4 CAPLUS

CN Methanesulfonamide, 1-chloro-N-[2-chloro-4-fluoro-5-(tetrahydro-6-hydroxy-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl)phenyl]-, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:390665 CAPLUS

DOCUMENT NUMBER: 127:17676

TITLE: Herbicidal N-(heterocyclylphenyl)sulfonamides as herbicides

INVENTOR(S): Adams, Edward John; Drauz, Karlheinz; Hong, Wonpyo; Kamireddy, Balreddy; Petersen, Wallace Christian; Schafer, Matthias; Weckbecker, Christoph; et al.

PATENT ASSIGNEE(S): E.I. Du Pont De Nemours and Company, USA; Adams, Edward John; Drauz, Karlheinz; Hong, Wonpyo

SOURCE: PCT Int. Appl., 314 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

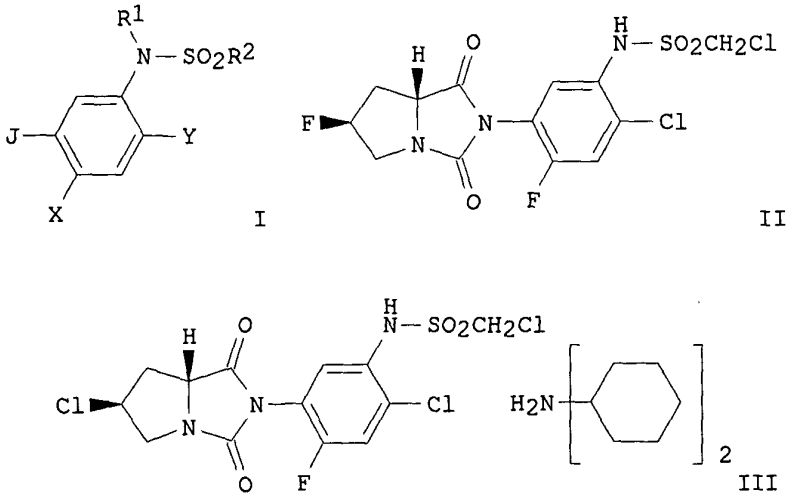
10000389

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9715576	A1	19970501	WO 1996-US16111	19961008
W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9675153	A1	19970515	AU 1996-75153	19961008
AU 712362	B2	19991104		
ZA 9608478	A	19980408	ZA 1996-8478	19961008
EP 862571	A1	19980909	EP 1996-937667	19961008
R: AT, BE, DE, DK, ES, FR, GB, GR, IT, IE				
CN 1202172	A	19981216	CN 1996-197871	19961008
BR 9611133	A	19990525	BR 1996-11133	19961008
JP 11514370	T2	19991207	JP 1996-516120	19961008
US 6060432	A	20000509	US 1996-736636	19961024

PRIORITY APPLN. INFO.: US 1995-7031P P 19951025
US 1996-12329P P 19960227
WO 1996-US16111 W 19961008

OTHER SOURCE(S): MARPAT 127:17676
GI



AB The title compds. [I; J = (un)substituted heterocyclyl, (un)substituted heterocyclylcarboxamido, (un)substituted heterocyclylideneimino, etc.; R1 = C1-6 alkyl, C1-6 haloalkyl, C3-6 alkenyl, etc.; R2 = C1-C6 alkoxy, C1-C6 haloalkoxy, C1-C6 haloalkyl, C3-C6 cycloalkyl, C3-C6 halocycloalkyl, C2-C6 alkoxyalkyl, C2-C6 haloalkoxyalkyl, C2-C6 alkenyl, C2-C6 haloalkenyl, C3-C6 alkoxyalkenyl, C2-C6 alkynyl, C2-C6 haloalkynyl, C2-C6 cyanoalkyl, C1-C6 nitroalkyl, (CH2)p-OR6, CH=CH(CH2)q-OR6, C.tplbond.C(CH2)q-OR6,

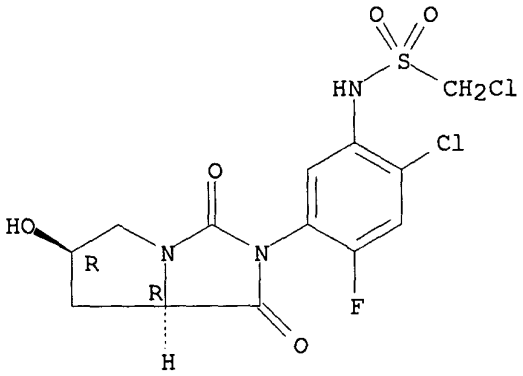
C2-C6 alkylthioalkyl, C2-C6 alkylsulfinylalkyl, C2-C6 alkylsulfonylalkyl, C3-C8 alkoxycarbonylalkyl, C3-C8 alkylcarbonyloxyalkyl, or oxiranyl optionally substituted with 1-3 C1-C3 alkyl; R6 = C1-3 alkylsulfonyl, dialkoxyphosphinyl, (alkyl)phenylsulfonyl, etc.; X = H, F, Cl; Y = F, Cl, Br, cyano, nitro, C1-3 haloalkyl, etc.] and their N-oxides and agriculturally suitable salts are prepd. Thus, the title compd. II was prepd. in 8 steps from N-(4-chloro-2-fluorophenyl)acetamide, chloromethylsulfonyl chloride, phosgene, and 4-cis-D-hydroxyproline. III (also prepd.) at 2000 g/ha had a 100% kill against barnyard grass.

IT **190314-60-4P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepn. of herbicidal (heterocyclylphenyl)sulfonamides)

RN 190314-60-4 CAPLUS

CN Methanesulfonamide, 1-chloro-N-[2-chloro-4-fluoro-5-(tetrahydro-6-hydroxy-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl)phenyl]-, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1997:196176 CAPLUS
DOCUMENT NUMBER: 126:196422
TITLE: Preparation of bicyclic imides as herbicides
INVENTOR(S): Schafer, Matthias; Drauz, Karlheinz; Feit, Dieter; Amuti, Kofi S.
PATENT ASSIGNEE(S): E. I. Du Pont De Nemours and Company, USA
SOURCE: U.S., 31 pp., Cont.-in-part of U.S. Ser. No. 942,800, abandoned
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5605877	A	19970225	US 1995-397282	19950310
WO 9405668	A1	19940317	WO 1993-EP2413	19930906

W: AU, BB, BG, BR, BY, CA, CZ, FI, HU, JP, KP, KR, KZ, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US, VN

10000389

RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

DE 9321642 U1 20011213 DE 1993-9321642 19930906

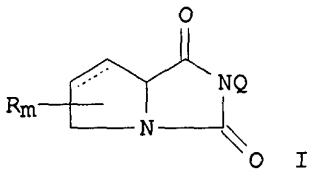
PRIORITY APPLN. INFO.: US 1992-942800 B2 19920910

WO 1993-EP2413 W 19930906

DE 1993-69329683 A 19930906

OTHER SOURCE(S): MARPAT 126:196422

GI



I

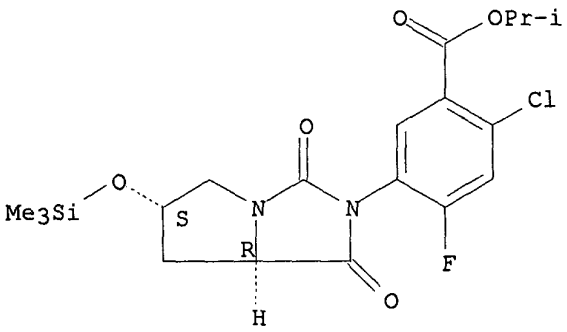
AB The title compds. I [Q = (un)substituted Ph, 2-phenyldioxolane, benzodioxole, etc.; R = OH, halo, alkyl, CN, etc.; m = 1-7] are prepd. as herbicides. I may be used, i.a., in pre-emergence application to peanut.

IT **157299-29-1P 157299-30-4P 157299-32-6P**
157299-33-7P 157299-34-8P 157299-35-9P
157379-57-2P 157379-58-3P 157379-59-4P
157379-60-7P 157379-61-8P 187750-03-4P
187750-11-4P 187750-16-9P
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. as herbicide)

RN 157299-29-1 CAPLUS

CN Benzoic acid, 2-chloro-4-fluoro-5-[tetrahydro-1,3-dioxo-6-[(trimethylsilyl)oxy]-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl]-, 1-methylethyl ester, (6S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 157299-30-4 CAPLUS

CN Benzoic acid, 5-[6-(acetyloxy)tetrahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl]-2-chloro-4-fluoro-, 1-methylethyl ester, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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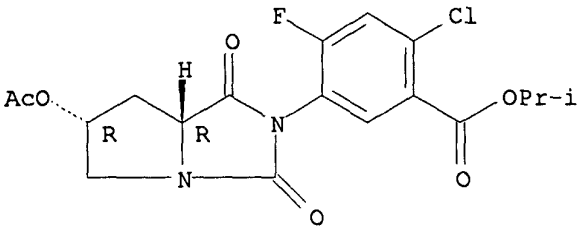
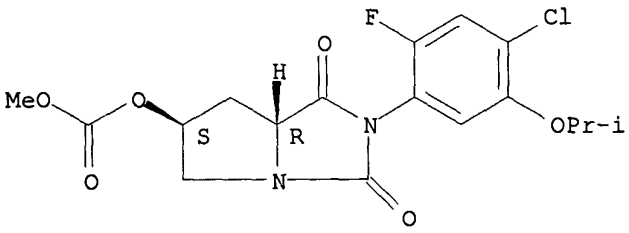


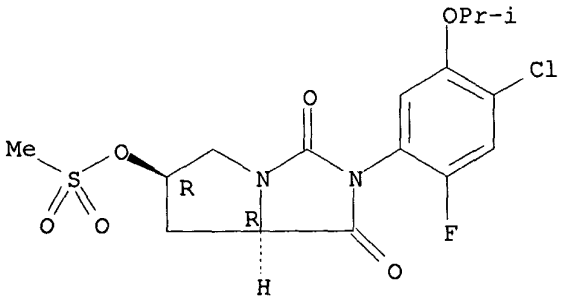
RN 157299-32-6 CAPLUS
CN Carbonic acid, 2-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl methyl ester, (6S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



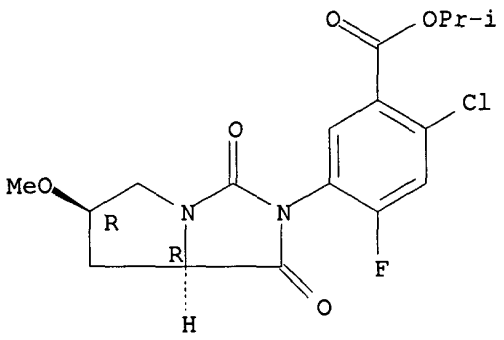
RN 157299-33-7 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]tetrahydro-6-[(methylsulfonyl)oxy]-, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

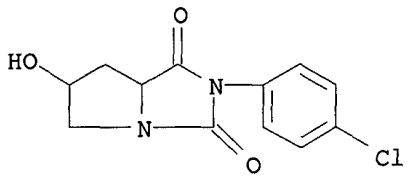


RN 157299-34-8 CAPLUS
CN Benzoic acid, 2-chloro-4-fluoro-5-(tetrahydro-6-methoxy-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl)-, 1-methylethyl ester, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

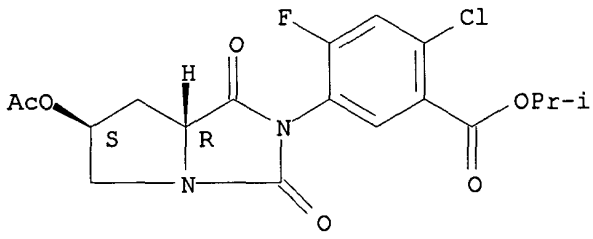


RN 157299-35-9 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-(4-chlorophenyl)tetrahydro-6-hydroxy- (9CI) (CA INDEX NAME)



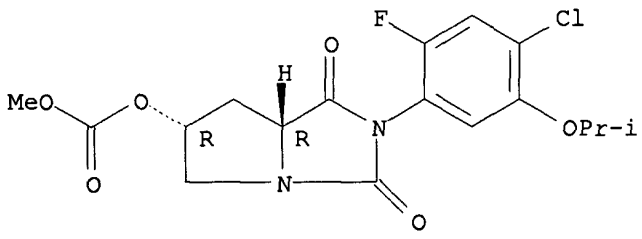
RN 157379-57-2 CAPLUS
CN Benzoic acid, 5-[6-(acetyloxy)tetrahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl]-2-chloro-4-fluoro-, 1-methylethyl ester, (6S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



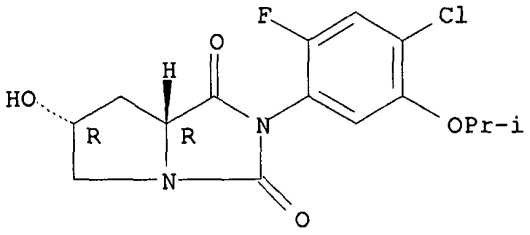
RN 157379-58-3 CAPLUS
CN Carbonic acid, 2-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl methyl ester, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



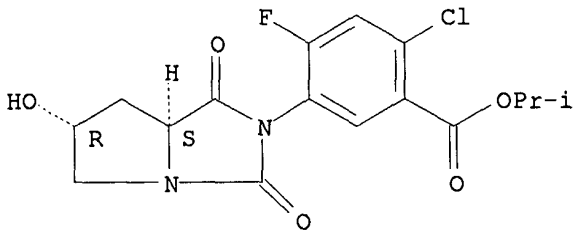
RN 157379-59-4 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]tetrahydro-6-hydroxy-, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



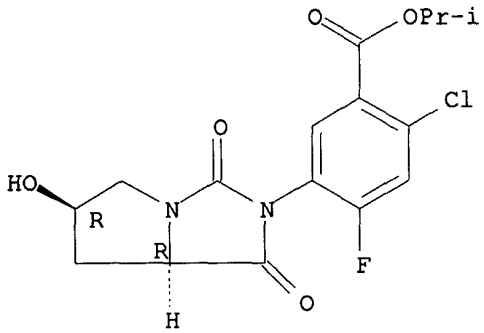
RN 157379-60-7 CAPLUS
CN Benzoic acid, 2-chloro-4-fluoro-5-(tetrahydro-6-hydroxy-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl)-, 1-methylethyl ester, (6R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



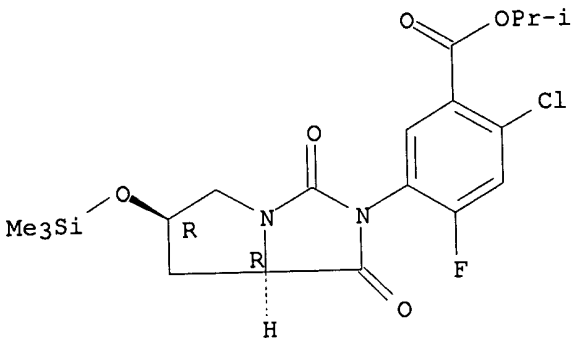
RN 157379-61-8 CAPLUS
CN Benzoic acid, 2-chloro-4-fluoro-5-(tetrahydro-6-hydroxy-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl)-, 1-methylethyl ester, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



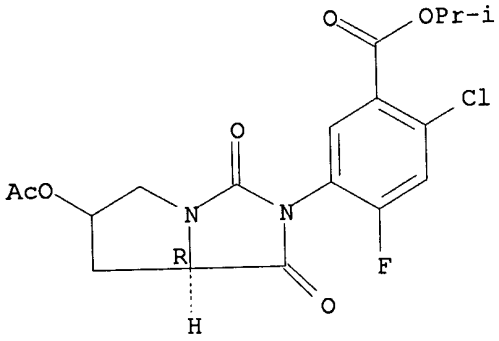
RN 187750-03-4 CAPLUS
CN Benzoic acid, 2-chloro-4-fluoro-5-[tetrahydro-1,3-dioxo-6-[(trimethylsilyl)oxy]-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl]-, 1-methylethyl ester, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



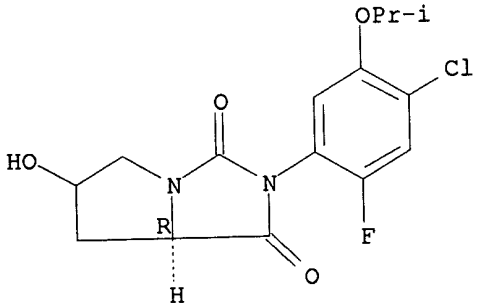
RN 187750-11-4 CAPLUS
CN Benzoic acid, 5-[6-(acetyloxy)tetrahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl]-2-chloro-4-fluoro-, 1-methylethyl ester, (7aR)-[partial]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 187750-16-9 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]tetrahydro-6-hydroxy-, (7aR)-[partial]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

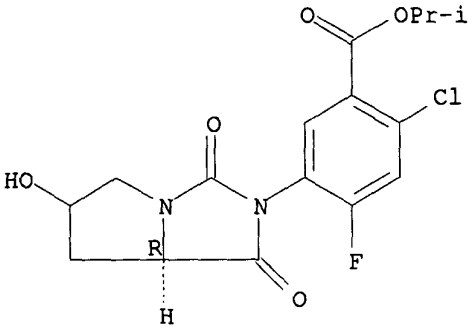


IT **187750-12-5**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant in prepn. of bicyclic imide herbicide)

10000389

RN 187750-12-5 CAPLUS
CN Benzoic acid, 2-chloro-4-fluoro-5-(tetrahydro-6-hydroxy-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl)-, 1-methylethyl ester, (7aR)-[partial]-(9CI) (CA INDEX NAME)

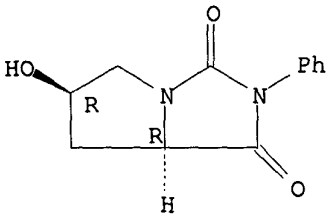
Absolute stereochemistry.



L4 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1996:608903 CAPLUS
DOCUMENT NUMBER: 125:316198
TITLE: New 7-hydroxy-1,3-diazabicyclo[3.3.0]octane derivatives: evaluation of their in vitro immunomodulating effects
AUTHOR(S): Issartel, V.; Spehner, V.; Bahaji, H.; Seilles, E.; Couquelet, J.
CORPORATE SOURCE: Faculte de Pharmacie, Groupe de Recherche en Pharmacochimie, Clermont-Ferrand, 63001, Fr.
SOURCE: European Journal of Medicinal Chemistry (1996), 31(9), 717-723
CODEN: EJMCA5; ISSN: 0223-5234
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
AB In order to improve the water soly. of some previously reported immunoactive dioxothiadiazabicyclo[3.3.0]octanes, we synthesized a series of new diazabicyclo[3.3.0]octanols from the trans-4-hydroxy-L-proline Me ester in two steps. Acylation of the ester with an isocyanate or an isothiocyanate under the appropriate conditions afforded N-acylated derivs. exclusively. Then through a cyclization process in the presence of sodium methylate, bicyclic derivs. were obtained, most of them as a mixt. of two diastereomers which were sepd. by column chromatog. A mitogenic stimulation assay using the T-cell mitogen phytohemagglutinin was performed with human peripheral blood leukocytes in the presence of the different synthesized compds. and with levamisole as ref. Several compds. showed marked stimulant effects on the proliferation of lymphocytes as compared to levamisole, but no correlation could be established between mol. configuration and stimulation or inhibition effects on proliferation.
IT **183290-18-8P 183290-19-9P 183506-52-7P 183506-53-8P 183506-54-9P 183506-55-0P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(diazabicyclo[3.3.0]octanols prepn. and structure-related

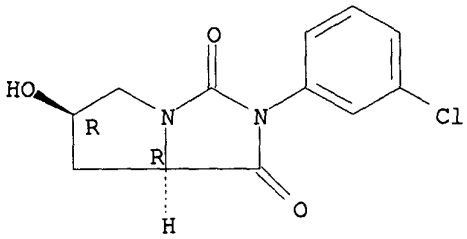
immunomodulating effect)
RN 183290-18-8 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, tetrahydro-6-hydroxy-2-phenyl-, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



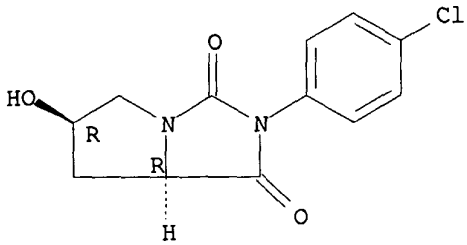
RN 183290-19-9 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-(3-chlorophenyl)tetrahydro-6-hydroxy-, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 183506-52-7 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-(4-chlorophenyl)tetrahydro-6-hydroxy-, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 183506-53-8 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, tetrahydro-6-hydroxy-2-phenyl-, (6R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

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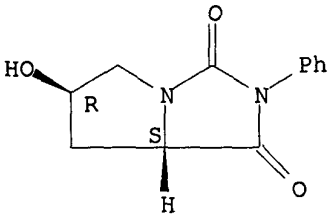
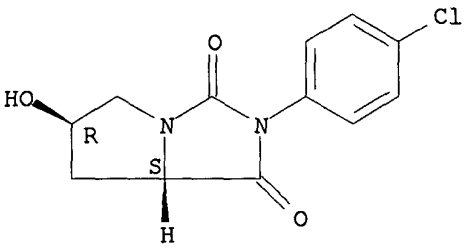


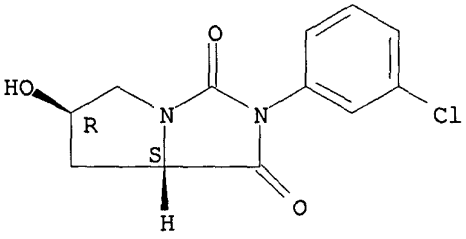
RN 183506-54-9 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-(4-chlorophenyl)tetrahydro-6-hydroxy-, (6R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 183506-55-0 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-(3-chlorophenyl)tetrahydro-6-hydroxy-, (6R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



L4 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1994:557650 CAPLUS
DOCUMENT NUMBER: 121:157650
TITLE: Preparation of Pyrrolo[1,2-c]imidazoledione Bicyclic Imides as Herbicides
INVENTOR(S): Schaefer, Matthias; Drauz, Karlheinz; Feit, Dieter; Amuti, Kofi Sam
PATENT ASSIGNEE(S): Degussa A.-G., Germany
SOURCE: PCT Int. Appl., 132 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

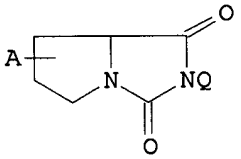
10000389

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9405668	A1	19940317	WO 1993-EP2413	19930906
W: AU, BB, BG, BR, BY, CA, CZ, FI, HU, JP, KP, KR, KZ, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US, VN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
EP 659187	A1	19950628	EP 1993-919285	19930906
EP 659187	B1	20001115		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
JP 08501537	T2	19960220	JP 1993-506893	19930906
AU 670967	B2	19960808	AU 1993-49583	19930906
BR 9307041	A	19990629	BR 1993-7041	19930906
AT 197587	E	20001215	AT 1993-919285	19930906
ES 2151515	T3	20010101	ES 1993-919285	19930906
DE 9321642	U1	20011213	DE 1993-9321642	19930906
ZA 9306635	A	19940518	ZA 1993-6635	19930908
US 5605877	A	19970225	US 1995-397282	19950310

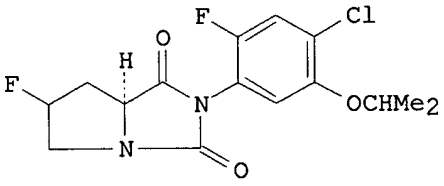
PRIORITY APPLN. INFO.: US 1992-942800 A 19920910
DE 1993-69329683 A 19930906
WO 1993-EP2413 W 19930906

OTHER SOURCE(S): MARPAT 121:157650

GI



I



II

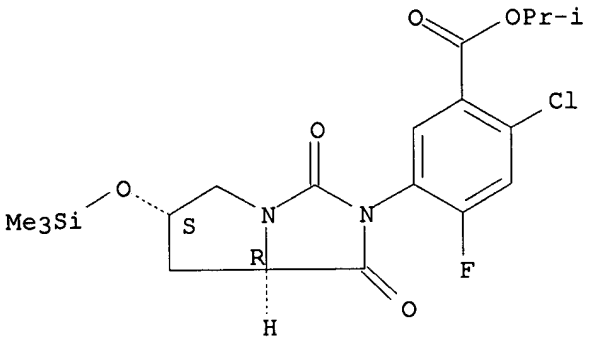
AB Bicyclic imides I (Q = Ph, heteroaryl, etc.; R = hydroxy, halo, cyano, etc.) and unsatd. derivs. of I are claimed. I were prepd. from aryl isocyanates and proline derivs. An example compd., 2-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-fluorotetrahydro-1H-pyrrolo[1,2-c]imidazole-1,3(2H)-dione (II) was prepd. as mixt. of racemic diastereomers. Herbicidal activity of many I was reported.

IT **157299-29-1P 157299-30-4P 157299-31-5P**
157299-32-6P 157299-33-7P 157299-34-8P
157299-35-9P 157379-56-1P 157379-57-2P
157379-58-3P 157379-59-4P 157379-60-7P
157379-61-8P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as herbicide)

RN 157299-29-1 CAPLUS

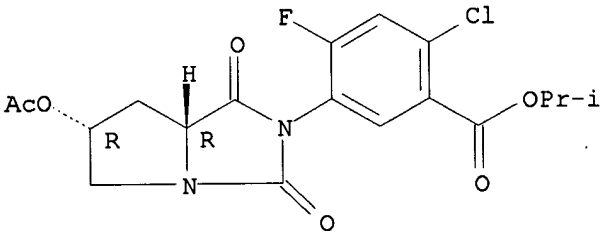
CN Benzoic acid, 2-chloro-4-fluoro-5-[tetrahydro-1,3-dioxo-6-[(trimethylsilyl)oxy]-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl]-, 1-methylethyl ester, (6S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



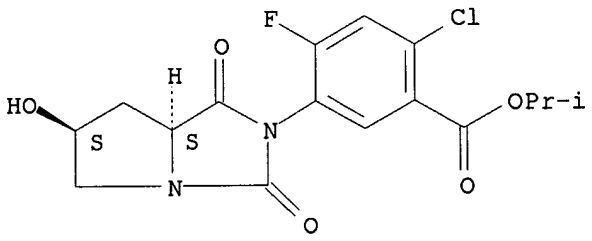
RN 157299-30-4 CAPLUS
CN Benzoic acid, 5-[6-(acetyloxy)tetrahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl]-2-chloro-4-fluoro-, 1-methylethyl ester, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



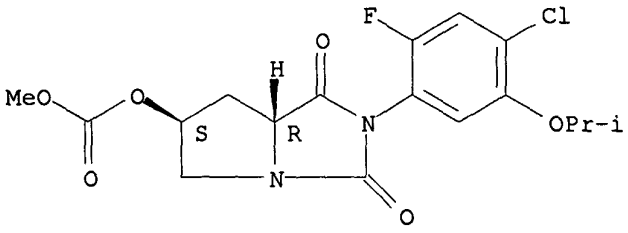
RN 157299-31-5 CAPLUS
CN Benzoic acid, 2-chloro-4-fluoro-5-(tetrahydro-6-hydroxy-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl)-, 1-methylethyl ester, (6S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



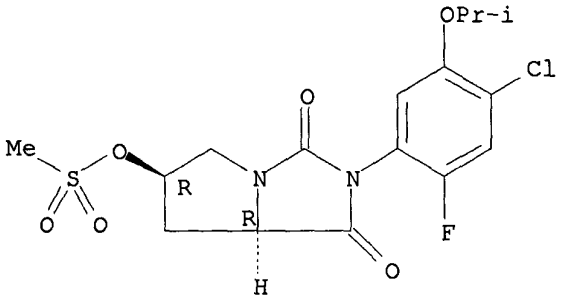
RN 157299-32-6 CAPLUS
CN Carbonic acid, 2-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl methyl ester, (6S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



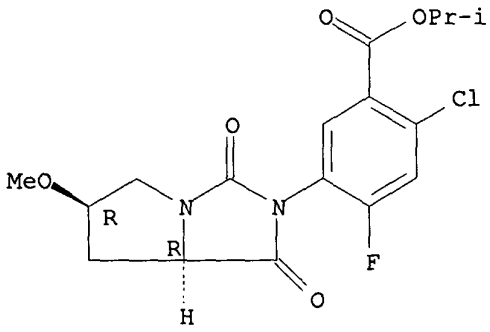
RN 157299-33-7 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]tetrahydro-6-[(methylsulfonyl)oxy]-, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

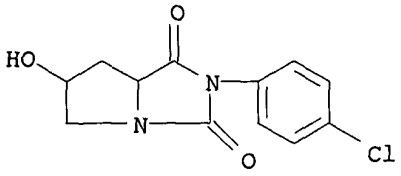


RN 157299-34-8 CAPLUS
CN Benzoic acid, 2-chloro-4-fluoro-5-(tetrahydro-6-methoxy-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl)-, 1-methylethyl ester, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

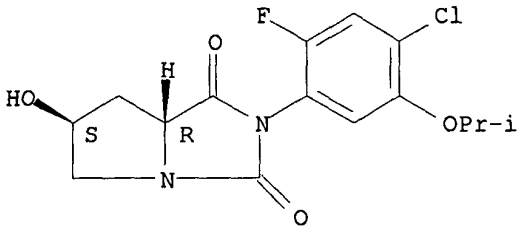


RN 157299-35-9 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-(4-chlorophenyl)tetrahydro-6-hydroxy- (9CI) (CA INDEX NAME)



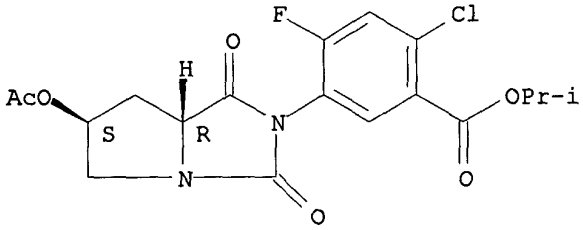
RN 157379-56-1 CAPLUS
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]tetrahydro-6-hydroxy-, (6S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



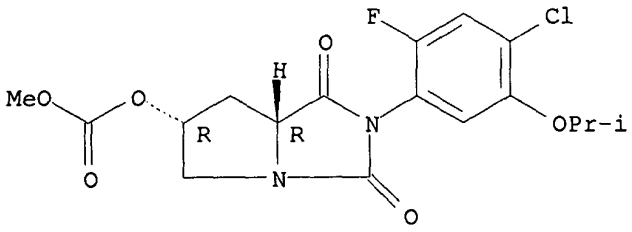
RN 157379-57-2 CAPLUS
CN Benzoic acid, 5-[6-(acetyloxy)tetrahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl]-2-chloro-4-fluoro-, 1-methylethyl ester, (6S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 157379-58-3 CAPLUS
CN Carbonic acid, 2-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl methyl ester, (6R-trans)- (9CI) (CA INDEX NAME)

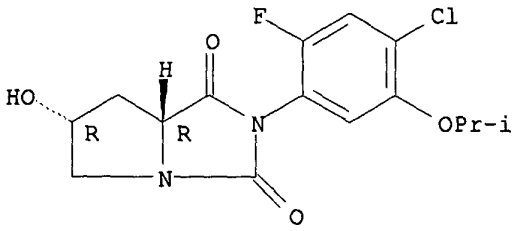
Absolute stereochemistry.



RN 157379-59-4 CAPLUS

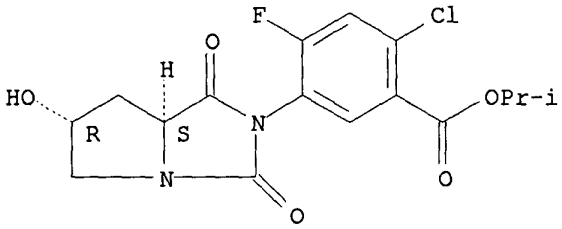
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]tetrahydro-6-hydroxy-, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



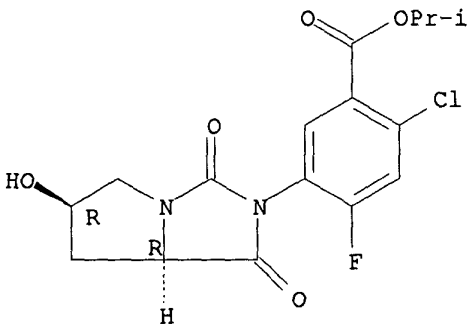
RN 157379-60-7 CAPLUS
CN Benzoic acid, 2-chloro-4-fluoro-5-(tetrahydro-6-hydroxy-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl)-, 1-methylethyl ester, (6R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 157379-61-8 CAPLUS
CN Benzoic acid, 2-chloro-4-fluoro-5-(tetrahydro-6-hydroxy-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl)-, 1-methylethyl ester, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



L4 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1993:6973 CAPLUS
DOCUMENT NUMBER: 118:6973
TITLE: Preparation of tetrahydroimidazo[1,5-a]pyridine-1,3-diones and tetrahydropyrrolo[1,2-c]imidazole-1,3-

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diones as herbicides

INVENTOR(S): Seckinger, Karl; Milzner, Karlheinz; Kuhnen, Fred; Mohanty, Sasank Sekhar

PATENT ASSIGNEE(S): Sandoz Ltd., Switz.; Sandoz-Patent-G.m.b.H.; Sandoz-Erfindungen Verwaltungsgesellschaft m.b.h.

SOURCE: Eur. Pat. Appl., 21 pp.
CODEN: EPXXDW

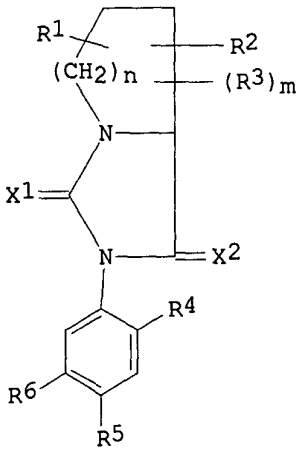
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 493323	A1	19920701	EP 1991-810980	19911216
EP 493323	B1	19970611		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
HU 62296	A2	19930428	HU 1991-3793	19911204
AU 9189792	A1	19920625	AU 1991-89792	19911216
AU 642062	B2	19931007		
BR 9105453	A	19920825	BR 1991-5453	19911216
AT 154355	E	19970615	AT 1991-810980	19911216
ES 2104683	T3	19971016	ES 1991-810980	19911216
CA 2057838	AA	19920619	CA 1991-2057838	19911217
JP 04308591	A2	19921030	JP 1991-333269	19911217
JP 3112533	B2	20001127		
RU 2060250	C1	19960520	RU 1991-5010585	19911217
ZA 9109966	A	19930618	ZA 1991-9966	19911218
US 5482921	A	19960109	US 1992-984716	19921202

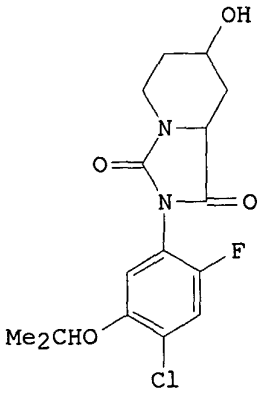
PRIORITY APPLN. INFO.: GB 1990-27426 A 19901218
GB 1991-11973 A 19910604
US 1991-808247 B1 19911212

OTHER SOURCE(S): MARPAT 118:6973

GI



I



II

AB Title compds. [I; R1 = H, alkyl, alkenyl, halo; R2, R4 = H, halo; R3 = OH, O, alkanoyloxy, alkylsulfonyloxy, alkoxy, alkylenedioxy, halo; R5 = halo, cyano, alkyl; R6 = halo, NO2, amino, cyano, alkynyl, alkenyloxy,

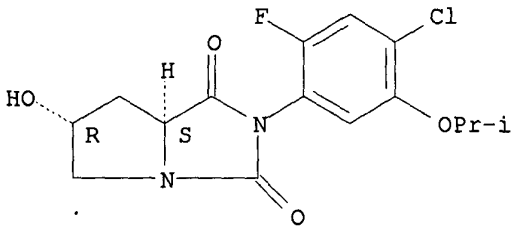
alkynyloxy, (substituted) alkyl, alkenyl, alkoxycarbonylalkyl, alkoxycarbonyloxy, alkylthioalkyl, alkylsulfonylalkyl, alkylsulfonyl, alkylsulfonyloxy, alkoxyalkoxy, (modified) carboxy, etc.; R5R6 = atoms to form a (substituted) bicyclic ring contg. 9-10 atoms; X1, X2 = O, S; m,n = 0, 1], were prepd. as herbicides (no data). Thus, 4-chloro-2-fluoro-5-isopropoxyphenyl isocyanate and Me 4-hydroxy-2-piperidinecarboxylate were stirred 3 h in PhMe to give title compd. II.

IT **144913-12-2P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as herbicide)

RN 144913-12-2 CAPLUS

CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]tetrahydro-6-hydroxy-, (6R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1980:639444 CAPLUS

DOCUMENT NUMBER: 93:239444

TITLE: Perhydropyrroloimidazole derivatives

INVENTOR(S): Shigematsu, Taichiro; Yoshida, Kenji; Nakazawa, Makoto; Kasugai, Hiroyuki; Tsuda, Masataka

PATENT ASSIGNEE(S): Mitsubishi Chemical Industries Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

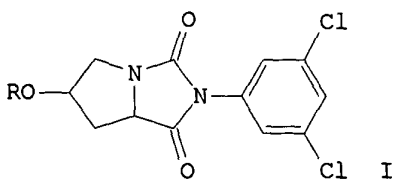
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 55040653	A2	19800322	JP 1978-114787	19780919

GI



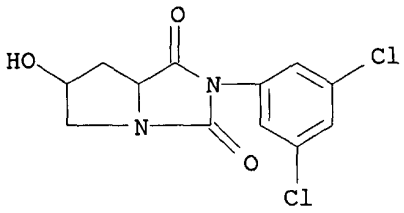
I

AB 3,5-Cl2C6H3NCO (5.64 g) in PhCl was added to an aq. mixt. of 3.93 g hydroxy-L-proline and 1.2 g NaOH and the whole stirred 2 h at room temp. to give 54.3% 2-(3,5-dichlorophenylcarbamoyl)-4-hydroxy-L-proline, which (3.18 g) was stirred with concd. HCl 2 h at 120.degree. to give 46.3% I (R = H). I (R = MeCO, PrCO) were similarly prepd. Antibacterial data of I were given against Botrytis cinerea.

IT **75707-94-7P 75707-95-8P 75707-96-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

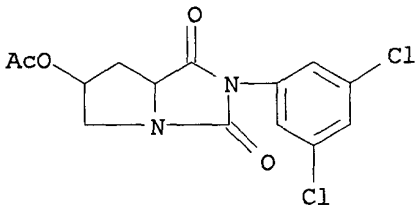
RN 75707-94-7 CAPLUS

CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 2-(3,5-dichlorophenyl)tetrahydro-6-hydroxy- (9CI) (CA INDEX NAME)



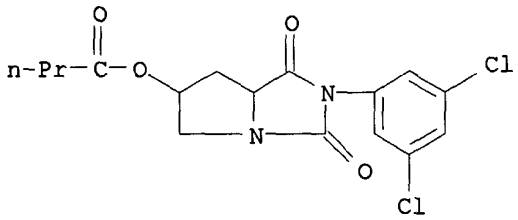
RN 75707-95-8 CAPLUS

CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-(acetyloxy)-2-(3,5-dichlorophenyl)tetrahydro- (9CI) (CA INDEX NAME)



RN 75707-96-9 CAPLUS

CN Butanoic acid, 2-(3,5-dichlorophenyl)hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-6-yl ester (9CI) (CA INDEX NAME)



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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 23	Sep 03	JAPIO has been reloaded and enhanced

NEWS EXPRESS	February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 20:13:29 ON 05 SEP 2002

=> fil reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 20:13:38 ON 05 SEP 2002
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STRUCTURE FILE UPDATES: 4 SEP 2002 HIGHEST RN 446821-48-3
DICTIONARY FILE UPDATES: 4 SEP 2002 HIGHEST RN 446821-48-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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L1 STRUCTURE UPLOADED

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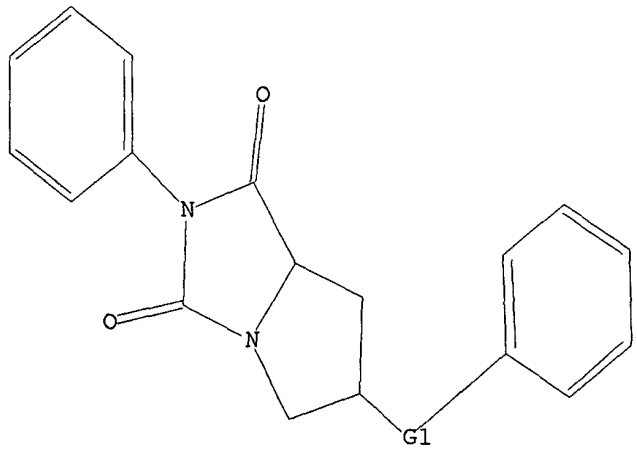
L1 HAS NO ANSWERS
L1 STR



G1 O,S,N

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Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 20:13:58 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      0 TO ITERATE

100.0% PROCESSED       0 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            0 TO        0
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 20:14:07 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      2 TO ITERATE

100.0% PROCESSED       2 ITERATIONS                                1 ANSWERS
SEARCH TIME: 00.00.02

L3            1 SEA SSS FUL L1

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'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual
fields or predefined formats.  The predefined substance formats
are:  (RN = CAS Registry Number)

REG    - RN
SAM    - Index Name, MF, and structure - no RN
FIDE   - All substance data, except sequence data
IDE    - FIDE, but only 50 names
SQIDE  - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD    - Protein sequence data, includes RN
SQD3   - Same as SQD, but 3-letter amino acid codes are used
SQN    - Protein sequence name information, includes RN

CALC   - Table of numeric properties
PROP   - Same as CALC

ABS  -- Abstract
APPS -- Application and Priority Information
BIB  -- CA Accession Number, plus Bibliographic Data
CAN  -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND  -- Index Data
IPC  -- International Patent Classification
PATS -- PI, SO
STD  -- BIB, IPC, and NCL
```

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IABS --ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

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The MAX format is the same as ALL.
The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

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ENTER DISPLAY FORMAT (IDE):all

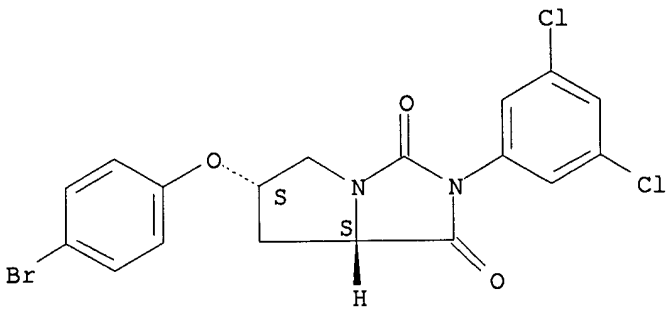
L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
RN 433289-16-8 REGISTRY
CN 1H-Pyrrolo[1,2-c]imidazole-1,3(2H)-dione, 6-(4-bromophenoxy)-2-(3,5-dichlorophenyl)tetrahydro-, (6S,7aS)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN (7AS,6S)-2-(3,5-dichlorophenyl)-6-(4-bromophenoxy)tetrahydropyrrolo[1,2-c]imidazole-1,3-dione
FS STEREOSEARCH
MF C18 H13 Br Cl2 N2 O3
SR CA
LC STN Files: CA, CAPLUS

Ring System Data

Elemental Analysis EA	Elemental Sequence ES	Size of the Rings SZ	Ring System Formula RF	Ring Identifier RID	RID Occurrence Count
C6	C6	6	C6	46.150.18	2
C3N2-C4N	NCNC2-NC4	5-5	C6N2	180.254.1	1

Absolute stereochemistry.

10000389



Calculated Properties (CALC)

CODE	PROPERTY	VALUE	CONDITION	NOTE
HD	H donors	0		ACD (1)
HAC	H acceptors	5		ACD (1)
MW	Molecular Weight	456.12		ACD (1)
LOGP	logP	4.257+/-0.689		ACD (1)
FRB	Freely Rotatable Bonds	3		ACD (1)
LOGD	logD	4.26	pH 1	ACD (1)
LOGD	logD	4.26	pH 4	ACD (1)
LOGD	logD	4.26	pH 7	ACD (1)
LOGD	logD	4.26	pH 8	ACD (1)
LOGD	logD	4.26	pH 10	ACD (1)
SLB.MOL	Molar Solubility	<0.01 mol/L	pH 1	ACD (1)
SLB.MOL	Molar Solubility	<0.01 mol/L	pH 4	ACD (1)
SLB.MOL	Molar Solubility	<0.01 mol/L	pH 7	ACD (1)
SLB.MOL	Molar Solubility	<0.01 mol/L	pH 8	ACD (1)
SLB.MOL	Molar Solubility	<0.01 mol/L	pH 10	ACD (1)

(1) Calculated using Advanced Chemistry Development (ACD) Software Solaris V4.76 ((C) 1994-2002 ACD)

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1

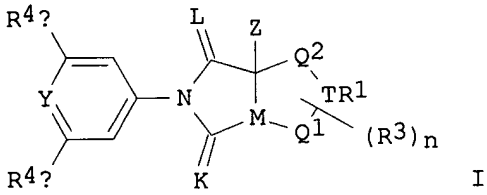
AN 137:6181 CA
TI Preparation of fused hydantoins as antiinflammatories.
IN Iwanowicz, Edwin J.; Dhar, Murali T. G.; Launay, Michele; Potin, Dominique; Maillet, Magali Jeannine Blandine; Nicolai, Eric Antoine
PA Bristol-Myers Squibb Company, USA; Cerep SA
SO PCT Int. Appl., 72 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM C07D487-04
ICS A61K031-4188; A61P029-00
CC 28-9 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 1, 34
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002044181	A1	20020606	WO 2001-US45540	20011130

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI US 2000-250486P 20001201
US 2000-250653P 20001201
US 2001-727165P 20010228

GI



I

AB Title compds. [I; L, K = O, S; M = N, CH; Y = CH, N; Z = H, (substituted) alkyl; T = N, CH, CR3; R1 = QX; X = (hetero)aryl; Q = bond, O, NR10, S, CO, CO2, NR10CO, NR10CO2, (substituted) alkylene, alkenylene, bivalent alkoxy, alkylthio, alkylamino, aminoalkyl, alkylsulfonyl, alkylsulfonamide, acyl, alkoxycarbonyl; R1R3 = fused carbocyclyl, heterocyclyl; R3 = halo, (substituted) alkyl, alkenyl, alkynyl, NO2, cyano, OR8, NR8R9, CO2R8, COR8, CONR8R9, NR8COR9, NR8CO2R9, OC(O)R8, OC(O)NR8R9, SR8, SOqR8a, NR8SO2Rg, SO2NR5Rq, aryl, heteroaryl, heterocyclo, cycloalkyl, O; 2 adjacent R3 form a (substituted) carbocyclic or heterocyclic fused ring; R4a, R4b = H, halo, (substituted) alkyl, alkenyl, alkynyl, NO2, cyano, OH, alkoxy, alkoxy, PhO, PhCH2O, CO2H, CHO, amino, CO2A, COA, alkylthio; A = alkyl; R8, R9 = H, (substituted) alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, aryl, heteroaryl, heterocyclyl; R8R9 = atoms to form a heterocyclic ring; R8a = (substituted) alkyl, cycloalkyl, aryl, heteroaryl, heterocyclo; R10 = H, (substituted) alkyl; Q1 = (CH2)s; Q2 = (CH2)r; n, s = 0, 1, 2; q = 1, 2, 3; r = 1, 2; with provisos], were prepd. as inhibitors of leukointegrin/ICAM assocd. conditions (no data). Thus, a mixt. of (7aS,6R)-2-(3,5-dichlorophenyl)-6-hydroxytetrahydropyrrolo[1,2-c]imidazole-1,3-dione (prepn. given), Ph3P, and 4-bromophenol in THF at 0.degree. was treated with diisopropyl azodicarboxylate (DIAD) in THF followed by warming to room temp. overnight to give (7aS,6S)-2-(3,5-dichlorophenyl)-6-(4-bromophenoxy)tetrahydropyrrolo[1,2-c]imidazole-1,3-dione.

ST pyrroloimidazoledione prepn antiinflammatory; hydantoin fused prepn antiinflammatory; leukointegrin icam assocd condition treatment fused hydantoin; imidazopyrazinedione prepn antiinflammatory

IT Cell adhesion molecules
RL: BSU (Biological study, unclassified); BIOL (Biological study) (ICAM (intercellular adhesion mol.), interaction inhibitors; prepn. of fused hydantoins as antiinflammatories)

IT Integrins
RL: BSU (Biological study, unclassified); BIOL (Biological study) (leukointegrins, interaction inhibitors; prepn. of fused hydantoins as antiinflammatories)

IT Anti-inflammatory agents

Human
(prepn. of fused hydantoins as antiinflammatories)

IT 433289-35-1P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepn. of fused hydantoins as antiinflammatories)

IT 433289-16-8P, (7AS,6S)-2-(3,5-dichlorophenyl)-6-(4-bromophenoxy)tetrahydropyrrolo[1,2-c]imidazole-1,3-dione 433289-17-9P, 5-[2-(4-Chlorophenyl)ethyl]-2-(3,5-dichlorophenyl)tetrahydropyrrolo[3,4-c]pyrrole-1,3(2H,3aH)-dione 433289-18-0P, 7-[2-(4-Bromophenyl)ethyl]-2-(3,5-dichlorophenyl)tetrahydroimidazo[1,5-a]pyrazine-1,3-dione 433289-19-1P, 7-[2-(4-Bromophenyl)-1-methyl-2-oxoethyl]-2-(3,5-dichlorophenyl)tetrahydroimidazo[1,5-a]pyrazine-1,3-dione 433289-20-4P 433289-21-5P 433289-22-6P 433289-23-7P, 5-[2-(4-Bromophenyl)-2-oxoethyl]-2-(3,5-dichlorophenyl)tetrahydropyrrolo[3,4-c]pyrrole-1,3-dione 433289-24-8P, 2-(3,5-Dichlorophenyl)-5-naphthalen-2-ylmethyltetrahydropyrrolo[3,4-c]pyrrole-1,3-dione 433289-25-9P, (7AS,6S)-2-(3,5-dichlorophenyl)-6-(4-bromobenzoyloxy)tetrahydropyrrolo[1,2-c]imidazole-1,3-dione 433289-26-0P, 10a-(4-Bromobenzyl)-2-(3,5-dichlorophenyl)-10,10a-dihydro-5H-imidazo[1,5-b]isoquinoline-1,3-dione 433289-27-1P, (6S,7AS)-6-(4-bromobenzyloxy)-2-(3,5-dichlorophenyl)tetrahydropyrrolo[1,2-c]imidazole-1,3-dione 433289-28-2P 433289-29-3P 433289-30-6P 433289-31-7P 433289-32-8P 433289-33-9P 433289-34-0P 433289-36-2P 433289-37-3P 433289-38-4P 433289-39-5P 433289-40-8P 433289-41-9P 433289-42-0P 433289-43-1P 433289-44-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of fused hydantoins as antiinflammatories)

IT 51-35-4, L-trans-4-Hydroxyproline 96-32-2, Methyl bromoacetate 99-73-0, 2,4'-Dibromoacetophenone 106-41-2, 4-Bromophenol 156-41-2, 2-(4-Chlorophenyl)ethylamine 586-75-4, 4-Bromobenzoyl chloride 589-15-1, 4-Bromobenzyl bromide 1746-28-7, 1-Bromo-4-(2-bromoethyl)benzene 10406-25-4, 4-Cyanobenzylamine 17201-43-3, 4-Bromomethylbenzonitrile 19552-10-4, 4-Bromobenzyl mercaptan 24096-53-5, N-(3,5-Dichlorophenyl)succinimide 34893-92-0, 3,5-Dichlorophenyl isocyanate 74844-91-0 77497-95-1 81102-38-7 144527-33-3 183742-29-2 433289-69-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of fused hydantoins as antiinflammatories)

IT 84520-67-2P 203512-40-7P 203512-41-8P 336817-65-3P 433289-45-3P 433289-46-4P 433289-47-5P 433289-48-6P 433289-49-7P 433289-50-0P 433289-51-1P 433289-52-2P 433289-53-3P 433289-54-4P 433289-55-5P 433289-56-6P 433289-57-7P 433289-58-8P 433289-59-9P 433289-62-4P 433289-63-5P 433289-64-6P 433289-65-7P 433289-66-8P 433289-67-9P 433289-68-0P 433289-70-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of fused hydantoins as antiinflammatories)

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD

(1) American Chemical Society; COMGENEX PRODUCT
(2) American Chemical Society; COMGENEX PRODUCT
(3) American Chemical Society; COMGENEX PRODUCT
(4) American Chemical Society; COMGENEX PRODUCT
(5) American Chemical Society; COMGENEX PRODUCT
(6) American Chemical Society; COMGENEX PRODUCT
(7) American Chemical Society; COMGENEX PRODUCT
(8) American Chemical Society; COMGENEX PRODUCT
(9) American Chemical Society; COMGENEX PRODUCT LIST 1999

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(10) Boehringer Ingelheim Pharma; WO 9839303 A 1998 CAPLUS
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(18) Occelli, E; 1984 CAPLUS
(19) Wittland, C; SYNTHESIS 1997, 11, P1291 CAPLUS